SONY

DIGITAL VIDEOCASSETTE RECORDER

DNW-75/75P

DIGITAL VIDEOCASSETTE PLAYER

DNW-65/65P

BETACAM SX

MAINTENANCE MANUAL

Volume 3 1st Edition

Serial No. 10001 and Higher: DNW-75/65 (SY)

Serial No. 30001 and Higher: DNW-75/65 (J)

Serial No. 40001 and Higher: DNW-75P/65P

⚠警告

このマニュアルは，サービス専用です。
お客様が，このマニュアルに記載された設置や保守，点検，修理などを行うと感電や火災，人身事故につながることがあります。
危険をさけるため，サービストレーニングを受けた技術者のみご使用ください。

設置や保守，点検，修理などを行う前に，別冊のメンテナンスマニュアルVolume 1，インストレーションマニュアル，オペレーションマニュアルのそれぞれの「安全のために」を必ずお読みください。

⚠WARNING

This manual is intended for qualified service personnel only.
To reduce the risk of electric shock, fire or injury, do not perform any servicing other than that contained in the operating instructions unless you are qualified to do so. Refer all servicing to qualified service personnel.

⚠WARNUNG

Die Anleitung ist nur für qualifiziertes Fachpersonal bestimmt.
Alle Wartungsarbeiten dürfen nur von qualifiziertem Fachpersonal ausgeführt werden. Um die Gefahr eines elektrischen Schlages, Feuergefahr und Verletzungen zu vermeiden, sind bei Wartungsarbeiten strikt die Angaben in der Anleitung zu befolgen. Andere als die angegeben Wartungsarbeiten dürfen nur von Personen ausgeführt werden, die eine spezielle Befähigung dazu besitzen.

⚠AVERTISSEMENT

Ce manual est destiné uniquement aux personnes compétentes en charge de l’entretien. Afin de réduire les risques de décharge électrique, d’incendie ou de blessure n’effectuer que les réparations indiquées dans le mode d’emploi à moins d’être qualifié pour en effectuer d’autres. Pour toute réparation faire appel à une personne compétente uniquement.

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Manual Structure

Purpose of this manual

This manual is the Maintenance manual volume 3 of Digital videocassette recorder DNW-75/75P and Digital videocassette player DNW-65/65P.

This maintenance manual (Volume 1, 2, and 3) is intended for use by trained system and service engineers, and provides the information of maintenance and detailed service (parts replacement, guideline for adjustment, schematic diagrams, board layouts, detailed parts list).

This manual (volume 3) describes block diagrams, schematic diagrams, and board layouts.

Related manuals

Besides this “Maintenance manual”, the following manuals are available for digital videocassette recorder/palyer DNW-75/75P/65/65P.

- **Operation Manual (Supplied with the DNW-75/75P/65/65P.)**
  This manual is necessary for application and operation (and installation) of the DNW-75/75P/65/65P.

- **Installation Manual (Supplied with the DNW-75/75P/65/65P.)**
  This manual describes the information on installing the DNW-75/75P/65/65P.

- **Protocol Manual of Remote (9-pin) Connector (available on request)**
  This manual explains the protocol for controlling the VTR via the RS-422A (9-pin serial remote) . If this manual is required, please contact your local Sony Sales Office/Service Center.

- **Interface Manual of Parallel I/O (50-pin) Connector (available on request)**
  This manual explains the protocol for controlling the VTR via the parallel (50-pin). If this manual is required, please contact your local Sony Sales Office/ Service Center.

- **“Semiconductor Pin Assignments” CD-ROM (Available on request)**
  This “Semiconductor Pin Assignments” CD-ROM allows you to search for semiconductors used in Broadcasting & Professional Systems Company equipment.
  Semiconductors that cannot be searched for on this CD-ROM are listed in the maintenance manual for the corresponding unit. The maintenance manual contains a complete list of all semiconductors and their ID Nos., and thus should be used together with the CD-ROM.
  Part number: 9-968-546-XX

Contents

This maintenance manual (volume 1, volume 2, and volume 3) is organized by following sections.

Maintenance manual volume 3 (9-967-871-)

Section 1 Semiconductor Pin Assignments

This section contains information on semiconductors used for unit.
It includes a complete list of the semiconductors and their ID Nos. for retrieving information on “Semiconductor Pin Assignments” CD-ROM, which is available separately.
Please refer to this section together with the “Semiconductor Pin Assignments” CD-ROM.
Information on the semiconductors not contained in the CD-ROM at the time of issue of this manual, if any, is given in this section as well.

Section 2 Block Diagrams

Describes the circuit description and the block diagrams of overall and each board.

Section 3 Schematic Diagrams and Frame Wiring

Describes the frame wiring and the schematic diagrams for the unit.

Section 4 Board Layouts

Describes the board layouts for the unit.

Maintenance manual volume 1 (DNW-75/75P: 9-967-869-) (DNW-65/65P: 9-967-873-)

Section 1 Service Overview

Explains fundamental area of the information that is required to service, (removal of cabinet and cassette compartment, the functions of printed circuit board, the locations of main part, fixture and measuring equipment information, notes, etc.), the measures against trouble, error messages, and ISR (Interactive Status Reporting).

Section 2 Periodic Maintenance and Inspection

Explains the recommended periodic maintenance, the cleaning procedure and the video head tip protrusion check procedure.

Section 3 Maintenance Mode

Explains each menu of the maintenance mode.

Section 4 Electrical Alignment

Explains the electrical alignment for the maintenance of this unit.

Section 5 Replacement of Main Parts

Explains the replacement of mechanical parts, power supply unit, and circuit boards.

Section 6 Tape Path Alignment

Explains the tape path alignment after replacement of parts that are described in Section 5.

Section 7 Electrical Alignment after Main Parts Replacement

Explains the electrical alignment associated with replacement of parts that are described in Section 5.

Maintenance manual volume 2
(DNW-75/75P: 9-967-870-)
(DNW-65/65P: 9-967-874-)

Section 1 Service Overview

Describes the notes on repair parts.

Section 2 Exploded Views

Describes the exploded views and the mechanical parts list (including some electrical parts).

Section 3 Electrical Parts List

Describes the electrical parts list of each board (including some mechanical parts). Moreover, describes the electrical parts list (frame electrical parts list) except on the board.

Section 4 Packing Materials and Supplied Accessories List

Describes the packing materials and the supplied accessories list.

Section 5 Power Cords List

Describes the recommended power cords list.

Section 6 Optional Fixtures List

Describes the optional fixtures and maintenance articles list.



Section 1
Semiconductor Pin Assignments

The following describes the semiconductor types used in this unit.
For semiconductors marked with page numbers in the index, refer to the corresponding pages in this section. However, in some cases incompatible types are also listed, therefore, when a part is to be replaced, also refer to the Spare Parts section.
In addition, for semiconductors with ID Nos., refer to the separate CD-ROM titled “Semiconductor Pin Assignments” (Sony Part No. 9-968-546-xx) that allows searching for parts by semiconductor type or ID No.
The semiconductors in the manual or on the CD-ROM are listed by equivalent types. Thus the external view or the index mark indication may differ from the actual type.
Pin assignments and block diagrams are based on the IC manufacturer’s data book.

本機に使用されている半導体型名の一覧を下記に示します。
索引中，ページが記載されている半導体は，本章の該当ページを参照してください。ただし，互換性のない型名を併記している場合がありますので，部品を交換するときは，Spare Partsの章を参照してください。
また，ID番号が記載されている半導体は，別途発行の “Semiconductor Pin Assignments” CD−ROM版 (ソニー部品番号：9−968−546−xx)を参照してください。
半導体型名またはID番号から検索ができます。
マニュアルまたはCD−ROMに掲載されている半導体は，それぞれの機能を等価的に表わしたものです。
外観やインデックスマークの表示方法が実物と異なる場合があります。
ピン配置およびブロック図はICメーカーのデータブックに従いました。

DIODE	Page or ID No.
02CZ13-TE85L	DC001-04
02DZ6.2-TPH3	DC008-04
1SS120	DA010-21
1SS120TD	DA010-01
1S2836	DC001-02
1S2836-T1	DC001-02
1SS154-TE85L	DC001-07
1SS187-TE85L	DC001-05
1SS193	DC001-06
1SS193-TE85L	DC001-06
1SS223	DC001-05
1SS300-TE85L	DC001-02
1SS301-TE85L	DC001-03
1SS302	DC001-01
1SS302-TE85L	DC001-01
1SV160	DC001-14
1SV160-TE85L	DC001-14
D5SB60	DR009-01
D8L60	DM003-02
DA204U	DA001-01
DA204UT106	DA001-01
DAN202U	DC001-03
DAN202UT106	DC001-03
DAP202U	DC001-02
DAP202UT106	DC001-02
EC10DS2	DC007-01
EC10DS2-TE12L5	DC007-01
EG01CV0	DA001-01
ERA38-004V3	DA010-01
ERA83-004V3	DA010-01
ERA91-02V3	DA010-01
ERB44-08	DA010-01
ESAC83M-006	DM001-01

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GMA01-BT	DA001-01
HSK83	DC006-01
HZK3CTR	DC006-02
HZK5CTR	DC006-02
HZM11NB3TL	DC001-04
HZS10NB2TD	DA010-03
HZS16NB1TD	DA010-03
HZS18NB2TD	DA010-03
HZS24NB2TD	DA010-03
HZS30NB2TD	DA010-03
HZS5.6NB2TD	DA010-03
KV1470	DC001-13
KV1470TL00	DC001-13
MA141WK	DC001-03
MA143A-(TX).SO	DC001-01
MTZJ-30B	DA010-02
RD10ESB2	DA010-03
RD18ESB2	DA010-03
RD2.0M-T1B	DC001-04
RD2.0MB	DC001-04
RD3.3M-B	DC001-04
RD3.3M-T1B	DC001-04
RD5.6ESB2	DA010-03
RD6.2M-B	DC001-04
RD6.2M-T1B	DC001-04
RD6.8M-T1B	DC001-04
RU-3AM	DA001-01
SB007-03CP	DC001-06
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SB01-05CP DC001-06
SB01-05CP-TB DC001-06
SB20-03P DC002-03
SB20-03P-TD DC002-03

YG902C2R DM001-01

LED — **Page or ID No.**

CL-150D-CD LR001-01
CL-150D-CD-T LR001-01
CL-150G-CD LR001-01
CL-150G-CD-T LR001-01
CL-150HR-CD-T LR001-01
CL-150PG-CD LR001-01
CL-150PG-CD-T LR001-01
CL-150R-CD LR001-01
CL-150R-CD-T LR001-01

GL480 ..... LR089-01
GL5HD8 ..... LR001-01

TLG182P LR001-01
TLG255A LR013-01
TLS255A LR013-01
TLY255A LR013-01
TLY256 ..... LR020-01

VRPY5614S-1-TP-J22Y LR019-01

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2SA1013 ..... TR002-01
2SA1013-O-TPE6 ..... TR002-01
2SA1156-2K TM006-01
2SA1156-2L TM006-01
2SA1175(M)-T TR008-02
2SA1213Y-TE12L TC002-01
2SA1226-E4 ..... TC001-01
2SA1226-T1E3E4 ..... TC001-01
2SA1413-L TR031-02
2SA1610-T1Y33 ..... TC001-01
2SA1610-Y33 ..... TC001-01
2SA1611-M5M6 ..... TC001-01
2SA1611T1-M5M6 ..... TC001-01
2SB1115A-YQ TC002-01
2SB1132-T101-QR TC002-01
2SB1151-K TM006-01
2SB1151-L TM006-01
2SB798-DL TC002-01
2SC2223-F13 ..... TC001-02
2SC2223-T1F13F14 ..... TC001-02
2SC2603TP-F TR011-02
2SC2712-YG TC001-02
2SC2712-YG-TE85L TC001-02
2SC2785-HFE TR011-02
2SC2785(M)-T TR008-01
2SC3356-K TC001-02
2SC3356-T1K TC001-02
2SC3518-L TR031-01
2SC3632-K TR031-01
2SC3735-L-B35 ..... TC001-02
2SC3735-T1B-B35 ..... TC001-02
2SC3748R TM001-11
2SC4176-B35 ..... TC001-02
2SC4176-T1B35 ..... TC001-02
2SC4177-L6 ..... TC001-02
2SC4177-T1L5L6 ..... TC001-02
2SC4178-F13 ..... TC001-02
2SC4178-T1F13 ..... TC001-02
2SC4213-AB-TE85L TC001-02
2SC4213-B TC001-02
2SC4213A-TE85L TC001-02
2SC4213B-TE85L TC001-02
2SD1615-T1GLGK TC002-02
2SD1615A-GP TC002-02
2SD1615A-T1GQGP TC002-02
2SD1622-T TC002-02
2SD1622-T-TD TC002-02
2SD1804T-TL TC010-03
2SD1835-AA TR001-02
2SD596DV345 ..... TC001-02
2SD596T1-DV345 ..... TC001-02
2SD773 ..... TR009-02
2SD773-T-34 ..... TR009-02
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2SK2837 ..... TM005-07
2SK711-BL TC001-05
2SK711-BL/V-TE85L TC001-05

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2SK852-T1X2	TC001-05
2SK852-X2	TC001-05
2SK94-T1X3	TC001-05
2SK94-X4	TC001-05
DTA114EUA	TC001-04
DTA114EUA-T106	TC001-04
DTA114TUA-T106	TC001-04
DTA123JKA-T146	TC001-04
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SI4953DY-T1	TR012-02
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SI9945DY-T1	TR012-01
SI9958DY	TR012-03
SI9958DY-T1	TR012-03

OTHERS	Page or ID No.
DM-211A	MR011-01
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DM-230-1	MA023-01
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GP1A53HR	MR010-06
GP1S54	MR010-02
PC123FY8	MA006-01

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74AC00SJ	TC74HC00P
74AC00SJX	TC74HC00P
74AC04SJ	TC74HC04P
74AC04SJX	TC74HC04P
74AC08SJ	TC74HC08P
74AC08SJX	TC74HC08P
74AC245SJ	TC74HC245P
74AC245SJX	TC74HC245P
74AC32SJ	TC74HC32P
74AC32SJX	TC74HC32P
74ACT244SJ	TC74HC244P
74ACT244SJX	TC74HC244P
74ACT245SJ	TC74HC245P
74ACT245SJX	TC74HC245P
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74LCX245SJX	TC74HC245P
74LCX541MTCX	MC74HC541N
74LCX574MTCX	TC74HC574P
74LCX574SJX	TC74HC574P
74LVX3245QSCX	74LVX3245QSCX
74VHCT04MTCX	TC74HC04P
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AD828AR	LM358N
AD828AR-REEL	LM358N
ADM691AR	MAX691CPE
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AK5390-VS-E2	AK5389-VP
AK6420AF-E2	AK6420AF
AK6440AF-E2	AK6440AF
AM26LS32ACNS	AM26LS32PC
AM26LS32ACNS-E05	AM26LS32PC
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AN3920S-E2	AN3920K
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BR93LC46F-E2	BR93LC46F
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CLC505AJE-T	CLC505AJE
CLC520AJE-L	CLC520AJP
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CXA1179N-TH	CXA1179N
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CXD1171M-TH	CXD1171M
CXD1175AM-TH	CXD1175P
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CXD206-104Q	CXD206-104Q
CXD2202Q	CXD2202Q
CXD2209Q	CXD2209Q
CXD2210Q	CXD2210Q
CXD2221Q	CXD2221Q
CXD2308Q	CXD2308Q
CXD2310AR-T4	CXD2310R
CXD303-101Q	CXD303-101Q
CXD304-106Q	CXD304-106Q
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CXD8280AQ	CXD8280AQ
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CXD8386AQ	CXD8386AQ
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CXD8804Q	CXD8804Q
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CXD8979R	CXD8979R
CXD8985AQ	CXD8985AQ
CXD8990R	CXD8990R
CXD8997R	CXD8997R
CXD9001AR	CXD9001AR
CXD9008Q	CXD8382AQ
CXD9012AR	CXD9012R
CXD9025R	CXD9025R
CXD9068AR	CXD9068AR
CXD9068BR	CXD9068AR
CXK1203AR	CXK1203R
CXK1203AR-T4	CXK1203R
CXK1206AM	CXK1206M
CXK48324Q	CXK48324Q
CXP87132-086Q	CXP87140
CXP871P40Q-1	CXP87140
DBX2151	DBX2151
DS1000Z-100	DS1000M-100
DS1000Z-100(TE2)	DS1000M-100
DS3691MX	DS3691M
DSPB56007FJ66	DSP56007FJ66
HD29029FP	MMH0026CP1
HD29029FP-EL	MMH0026CP1
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HD6433437WV10X	HD64F3434-F16
HD64F3437TFLH16	HD64F3434-F16
HM628512ALTT-5SLZ	HM628512LP-7
IDT71V016S20Y-TL	IDT71V016S20Y-TL
IDT79R3041-20PF	IDT79R3041-20PF
L78M05T-FA	L78M05T-FA
L78M05T-FA-TL	L78M05T-FA
L78M08T-TL	L78M05T-FA
L78M12T-FA	L78M05T-FA
L78M12T-TL	L78M05T-FA
L79M05T-FA	L79M05T-FA
L79M05T-FA-TL	L79M05T-FA
LA7205M	LA7205M
LA7205M-TE-L	LA7205M
LB1721M	LB1721M
LB1721M-TE-R	LB1721M
LC3564BM-70-TLM	CXK5864AP-10L
LF351MX	LF351MX
LM1881M	LM1881N
LM1881MX	LM1881N
LM2903P	UA393DC
LM2903PS	UA393DC
LM2903PS-E05	UA393DC
LM2903PW-E05	UA393DC
LM324NS	XRA10324AF
LM324NS-E20	XRA10324AF
LM337T	LM337T
LM358PS	LM358N
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LT1021DCS8-5	LT1021DCS8-5
LT1021DCS8-5-E2	LT1021DCS8-5
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MB90096PF-G-139-BND-ER	MB90096PF-G-139-BND-ER
MB90T736	MB90T736
MBM29F400BA-90PF	MBM29F400BA-12PF
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MC10H116M	MC10116L
MC10H116MEL	MC10116L
MC14049UBF	CD4049AE
MC14049UBFEL	CD4049AE
MC14050BF	CD4050AE
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MC14052BFEL	CD4052BE
MC14053BDTR2	CD4053BE
MC14053BF	CD4053BE
MC14053BFEL	CD4053BE
MC14066BF	CD4066AE
MC14066BFEL	CD4066AE
MC14538BFE	MC14538BCP
MC14538BFEL	MC14538BCP
MC14577CF	MC14577AF
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MC74HC4066FEL	MC74HC4066N
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MSM514400DL-60SJDR1	MSM514400ASJ-70
MSM6524GS-KR1	MSM6524GS-VK
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S-80827ANUP-EDQ-T2	S-8054HN-CB
S-80840ANUP-ED4-T2	S-8054HN-CB
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TL082CPS-E05	RC4558
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TL084CNS	TL084CN
TL084CNS-E05	TL084CN
TL084CPW-E05	TL084CN
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TL431CPS	TL431CP
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UPD4516821AG5-A10B-9NF	UPD4516821G5-A12-7JF
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UPD71054GB-3B4	UPD71054G
UPD71055GB-10-3B4	UPD71055G
UPD72001GC-11-3B6	UPD72001GC-3B6
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UPD78014GC-673-AB8	UPD78011GC-533-AB8
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Section 2
Circuit Description and Block Diagrams

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Board Name Index and Circuit Function

Board name	Diagram title (including in:)	Page	Circuit function
APR-40	APR-40	2-24	For DNW-75/75P: Audio signal processor, AES/EBU interface
APR-40C	APR-40C	2-26	For DNW-65/65P: Audio signal processor, AES/EBU output interface
CCM-15	DR-315	2-29	Threading motor
CCM-15	MS-58	2-39	Reel shift motor
CL-29	MS-58	2-38	Cassette up/down motor, Cassette down sensors
CP-278	APR-40	2-24, 25	For DNW-75/75P: Connector board (Analog audio input/output)
CP-278	APR-40C	2-26, 27	For DNW-65/65P: Connector board (Analog audio output)
CP-301	APR-40	2-25	For DNW-75/75P: Connector board (TC input/output, MONITOR output)
CP-301	APR-40C	2-27	For DNW-65/65P: Connector board (TC output, MONITOR output)
CP-334	VPR-47	2-50	For DNW-75/75P: Connector board (Analog video) with input/output buffer
			For DNW-65/65P: Connector board (Analog video) with output buffer
CP-335	APR-40	2-24, 25	For DNW-75/75P: Connector board (AES/EBU input/output)
CP-335	APR-40C	2-26, 27	For DNW-65/65P: Connector board (AES/EBU output)
DEC-110	DEC-110	2-28	For DNW-75/75P: Analog composite, component video input
DPR-118	DPR-118	2-30	For DNW-75/75P: Digital data processor (Audio/Video processor)
DPR-118C	DPR-118C	2-32	For DNW-65/65P: Digital data processor (Audio/Video processor)
DR-315	DR-315	2-29	Motors driver (Drum, Capstan, Reels, Threading, Reel shift, Cassette up/down)
EQ-75	EQ-75	2-34	For DNW-75/75P: RF equalizer (REC current control, PB EQ, Inner error correction)
EQ-75C	EQ-75C	2-36	For DNW-65/65P: RF equalizer (PB EQ, Inner error correction)
FP-117	Function Control	2-22	Panel function (Switches, LEDs) control, CAV control level conversion
KY-438	Function Control	2-23	Lower control panel function
LP-81	MS-58	2-38	Lamp of cassette compartment
MS-58	MS-58	2-38	Solenoids driver (Pinch, Brakes, Cleaning), Sensors input
PC-70	MS-58	2-38	Cassette-in sensors, Cassette size sensor
PD-35	MS-58	2-38	Pinch solenoid connection, Tape end sensor connection
PTC-54	MS-58	2-39	Threading FG
PTC-59	MS-58	2-38	Cassette's holes sensor
PTC-69	Function Control	2-23	Search dial sensor, Dial solenoid connection
PTC-71	MS-58	2-38	Reel position sensors

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Board name	Diagram title (including in:)	Page	Circuit function
RM-130	Overall (2/3)	2-12/18	Parallel (50-pin) remote interface, Remote control connector [REMOTE 2 PARALLEL (50P)]
RM-179	Overall (2/3)	2-12/18	NV-RAM for Parallel (50-pin) remote interface
RM-181	MS-58	2-38	S reel motor and T reel motor
SDI-41	SDI-41	2-40	For DNW-75/75P: 4:2:2 component serial digital interface with Embedded audio
SDI-41C	SDI-41C	2-41	For DNW-65/65P: 4:2:2 component serial digital output interface with Embedded audio
SE-344	MS-58	2-38	S reel FG and T reel FG
SE-461	MS-58	2-38	Connection board with Condensation sensor
SS-83	SS-83 (1/3 to 3/3)	2-42	System control, Servo control
SWC-31	Function Control	2-22	Sub control panel function
SWC-35	Function Control	2-22	Upper control panel function (Switches, LEDs)
TC-102	TC-102, MS-58	2-49, 38	For DNW-75/75P: TC REC/PB circuit, TC/FULL erase OSC
			For DNW-65/65P: TC PB circuit, Shot-mark REC circuit, TC erase OSC
TR-78	MS-58	2-38	S tension sensor
TR-79	MS-58	2-38	T tension sensor, Threading-end and Unthreading-end sensors
VPR-47	VPR-47	2-50	Video signal processor (D-A, Reference clock generator, Composite encoder)
VR-223	Function Control	2-22	For DNW-75/75P: Audio REC and Phone level VRs, Phone connector
			For DNW-65/65P: Phone level VR, Phone connector
VR-224	Function Control	2-22	Audio PB level VRs

(1) Video Signal Processing System (CP-334, DEC-110, SDI-41/41C, and VPR-47 Boards)

Recording system (DNW-75/75P only)

The inputted analog composite video signal and the inputted analog component video signal from the VIDEO INPUT connectors are sent from the CP-334 board to the DEC-110 board and converted from analog to digital. After that, the analog composite video signal is converted into a digital component signal (parallel) by the composite decode block, and the analog component video signal into a digital component signal (serial) by the multiplexer.
Only the digital component signal selected as a video input signal is sent from the DEC-110 board to the input TBC block on the SDI-41 board.
The inputted SDI signal from the SDI INPUT connector is inputted to the SDI-41 board and converted from serial to parallel. After that, in an SDI decode block, an SDI video signal is extracted, and EAV, SAV, video index, etc are detected.
The SDI video signal is also sent to the input TBC block on the SDI-41 board.
The input TBC block on the SDI-41 board makes an input video signal (the SDI video signal or the digital component signal from the DEC-110 board) synchronize with the reference internal clock of this unit.
The input video signal output from the input TBC block is sent to the VPR-47 board through setup remove and VITC generation blocks.
The setup remove block removes a setup level only when an input video is in the 525/60 mode.
The VITC generation block reads VITC and sets data for recording.
The input video signal sent to the VPR-47 board is sent through a frame control block to the DPR-118 board as REC data. The input video signal is also sent to the video processing block as EE data (E-E video signal).

Playback system

A Betacam SX video PB signal is reconstructed on the DPR-118/118C board. After that, the signal is sent to the video processing block through a video jog processing block.
The video jog processing block converts the signal sent intermittently in the VAR/JOG PB mode into a continuous signal. (In DNW-75/75P, the E-E video signal is also input to the video processing block.)
The SX video PB signal (signal output from the video jog processing block) is also input to the freeze memory block. The video data memorized in the freeze memory block is read in the freeze mode and input to the video processing block.
Each processing (gain adjustment, chroma phase adjustment, blanking addition, and line adder) is performed in the video processing block. The obtained information is sent to an encode block as the PB video signal (digital component video signal).
In an encode block, the inputted the PB video signal is converted into the component signal data and the composite-encoded data, then output as the analog video output signals. In the 525/60 mode, setup processing is also carried out in the encode block.
These output data is converted from digital to analog and output from each VIDEO OUTPUT connector on the connector panel (CP-334 board) as an analog component signal and analog composite signal.
The analog composite output signal has three lines. Characters can be superimposed* on one (VIDEO OUTPUT COMPOSITE 3) of the lines.
The analog component output signal has only one line. No characters can be superimposed on the line.
In the encode block, the input PB video signal is also output to the SDI encode block on the SDI-41/41C board as the digital component signal so that it is used for the SDI output signal.
The digital component video signal for SDI output is multiplexed with 4-channel audio signals by the SDI encode block and converted from parallel to serial. The converted signal is then output from the SDI OUTPUT connectors on the connector panel as the SDI signal.
The SDI output signal has three lines. Characters can be superimposed* on one (SDI OUTPUT 3) of the lines.

*: The characters that are superimposed on the both lines are the same.

Sync system of Video signal processing system for DNW-75/75P

Reference internal signals for video and audio systems are produced on the VPR-47 board.
The inputted reference video signal from the REF VIDEO connector or the inputted video signal from the analog video input connector (COMPOSITE or COMPONENT Y) is selected on the CP-334 board and sent to the timing generation block on the VPR-47 board.
In the timing generation block, sync and burst signals are separated and extracted from the input video signal.
Sync signals (HD, VD, and CF) are extracted from the SDI signal input to the SDI INPUT connector by the SDI decode block on the SDI-41 board.
On the VPR-47 board, reference internal signals, timing signals (HD, VD, FRAME, CF, GOP, and AUDIO ID), and clocks (for video and audio) synchronized with this reference signal are produced based on the extracted sync signals. These signals and clocks are sent to each board.
The reference signal (SV REF) for a servo system is also produced by the timing generation block on the VPR-47 board and sent to the SS-83 board.

Sync system of Video signal processing system for DNW-65/65P

Reference internal signals for video and audio systems are produced on the VPR-47 board.
The inputted reference video signal from the REF VIDEO connector is sent to the timing generation block on the VPR-47 board.
In the timing generation block, sync and burst signals are separated and extracted from the inputted reference video signal.
On the VPR-47 board, reference internal signals, timing signals (HD, VD, FRAME, CF, GOP, and AUDIO ID), and clocks (for video and audio) synchronized with this reference signal are produced based on the extracted sync signals. These signals and clocks are sent to each board.
The reference signal (SV REF) for a servo system is also produced by the timing generation block on the VPR-47 board and sent to the SS-83 board.

(2) Audio Signal Processing System (CP-278, CP-301, CP-335, APR-40/40C, DPR-118/118C, VR-223, and VR-224 Boards)

Recording system (DNW-75/75P only)

The inputted analog audio signals (CH1 to CH4) from the AUDIO INPUT connectors (on the CP-278 board) are A/D-converted into serial digital audio data after level-controlling and emphasizing on the APR-40 board. The converted signals are then sent to the audio processing block.
The inputted digital audio signals (CH1/2 and CH3/4) from the AUDIO INPUT (AES/EBU) connectors (on the CP-335 board) are sent to the APR-40 board and decoded to serial digital audio data by the AES/EBU decode block. The decoded signals are then sent to the audio processing block. By setting the setup menu, the decoded data can be converted into the internal clock rate by a sample rate conversion block and sent to the audio processing block.
The inputted SDI signal from the SDI INPUT connector is sent to the SDI-41 board and converted from serial to parallel. After that, in the audio receive TBC block, an SDI audio signal is converted into serial digital audio data and extracted a control signal (channel status bit). The serial digital audio data is sent to the audio processing block on the APR-40 board.
In the audio processing block, input signals for recording are selected from a 12-channel input signal consisting of three lines (analog audio, AES/EBU, and SDI audio) described above, and REC gain control, channel mix/mute control, and data delay control are performed in this case.
The audio recording data (four-channel) output from the audio processing block is sent to the ECC encode block on the DPR-118 board.

Playback system

The PB audio data that was ECC-decoded by the outer ECC decode block on the DPR-118/118C board is input through a VAR ×2 process block to the DSP block for audio processing.
In the DSP block, five-field sequence processing (in 525/60 mode only) and JOG/VAR control are carried out. After that, the PB audio data is sent to the audio processing block on the APR-40/40C board as serial digital audio data.

Output system

In the audio processing block on the APR-40/40C board, PB/EE signal selection control (for DNW-75/75P only), PB gain control, monitor output selection, and data delay control are performed. The four-line serial digital audio data for SDI output, line output (analog), line output (AES/EBU), and monitor output is output from this block.
The serial digital audio data for SDI output is sent to the SDI-41/41C board and converted into the SDI audio signal by the audio transmission TBC block. The converted data is then multiplexed with video data by an SDI encode block. The resultant data is converted from parallel to serial and output from the SDI OUTPUT connector on the connector panel as the SDI signal.
The serial digital audio data for line output (AES/EBU) is encoded to an AES/EBU format by an AES/EBU encode block and output from the AUDIO OUTPUT (AES/EBU) connector (CP-335 board) on the connector panel.
The audio signal data for line output (analog) and monitor output is oversampled by a digital filter and converted from digital to analog. The data is then de-emphasized and output from the connector panel (on the CP-278 and CP-301 boards).
After the audio signal data for monitor output is also de-emphasized, it is sent to the VR-223 board for headphone output. The data is level-controlled on the VR-223 board, and then output.

(3) Digital Signal Processing System (DPR-118/118C board, DPR-119 board for BKNW-118, and DPR-120 board for BKNW-117)

Recording system (DNW-75/75P only)

The external input video signals (SDI, component, and composite) that are sent from the SDI-41 board to the DPR-118 board through the VPR-47 board are passed through a frame control block and pre-filter block and SX-encoded (SX-compressed).
The SX encoding (SX compression) is constituted by the BRR (bit rate reduction) encode block and a motion estimation block for motion detection.
The video data (bit stream data in units of GOP) that is SX-encoded by the BRR encode block is sent to the ECC (error correction code) encode block.
The audio signal data for recording is directly sent from the audio processing block on the APR-40 board to the ECC encode block on the DPR-118 board without being compressed.
When SDTI input option BKNW-117 (DPR-120 board) is installed, however, the video/audio signal data described above or the video/audio signal data from an SDTI input signal is selected and input to the ECC encode block.
In the ECC encode block, outer and inner error correction codes are added to the input video data and audio signal data, respectively. Five-field audio control (in 525/60 mode only) and system data recording control containing non-tracking control data are also performed in this case. Each recording data in video and audio systems is multiplexed and sent to the REC driver on the EQ-75 board as REC data (A and B).

Playback system

Betacam SX PB data is sent from the EQ-75/75C board to the DPR-118/118C board and fed through the VAR ×2 process block (1/2) to the outer ECC decode block.
In the VAR ×2 process block (1/2), PB data is processed in the preceding stage during only VAR PB operation.
In the outer ECC decode block, outer error correction is performed for audio and video data after non-tracking processing (data rearrangement).
The video data after error correction is sent through the VAR ×2 process block (2/2) to the BRR (bit rate reduction) decode block. The audio data after error correction is sent through the VAR ×2 process block (2/2) to the DSP (digital signal process) block for audio processing.
In the VAR ×2 process block (2/2), the data processing (decimation) for VAR playback is performed for PB data in only the VAR PB mode.
In the BRR decode block, PB video data is SX-decoded to return to an eight-bit digital video signal. This signal is sent to the VPR-47 board as the Betacam SX PB video signal.
In the DSP block for audio processing, five-field sequence processing (in 525/60 mode only) and JOG/VAR control are performed.
The data output from the DSP block is sent to the audio processing block on the APR-40/40C board as serial digital audio data.

When SDTI output option BKNW-118 (DPR-119 board) is installed, the video data output from the outer ECC decode block and the audio data output from the VAR ×2 process block (2/2) are sent for feed PB output to the DPR-119 board.

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(4) RF System (EQ-75/75C Board and Drum Assembly)

Recording system (DNW-75/75P only)

The sent REC data from the DPR-118 board is sent from the REC driver on the EQ-75 board to the upper drum assembly (DR-373 board) as a recording signal through a rotary transformer.
Each channel (A and B) of the recording signal is sent to each REC head through each REC amplifier with the data records on the tape.

Playback system

The PB RF output signal of each PB head in the upper drum assembly is sent to each PB amplifier in the upper drum assembly. Only the PB amplifier output signal of the head that is enabled by a head control timing signal is sent to the EQ-75/75C board through the rotary transformer.
For the Betacam SX PB operation, a maximum of four-line RF signals are sent to the EQ-75/75C board. These RF signals are passed through the amplifier and equalization circuit in the equalize block and converted from analog to digital. The converted signals are then sent to the inner ECC decode block as PB data. In the inner ECC decode block, viterbi decoding and inner error correction are performed.
The PB data after error correction is sent to the DPR-118/118C board.

Control system

The control signal of each head in the drum assembly is encoded to MPX data by the MPX encoder on the EQ-75/75C board and sent through the rotary transformer to the upper drum assembly. The MPX data is decoded to a head control timing signal by the MPX decoder in the upper drum assembly. Each head is controlled by the head control timing signal.

(5) System Control System and Servo System (SS-83 Board)

System control and servo control are performed on the SS-83 board. Two main CPUs (SYS1 CPU and SYS2 CPU) for system control and one main CPU (servo CPU) for servo control are mounted on the SS-83 board. Moreover, a drum MPU is mounted on the SS-83 board.

System control

SYS1 CPU uses RISC CPU, and the operating clock is 40 MHz.
SYS1 CPU performs the following processing.

- Remote interface processing
  (REMOTE1-IN/OUT (9-pin), PARALLEL I/O (50-pin), RS-232C, and VIDEO CONTROL connectors)
- Processes communications with KY MPU on KY-438 board.
  (for JOG/Search dial I/F and Lower control panel I/F)
- Processes communications with FP MPU on FP-117 board.
  (for Sub control panel I/F and Upper control panel I/F)
- Processes communications with SYS2 CPU.
- Controls character superimposition.

Like SYS1 CPU, SYS2 CPU also uses RISC CPU. The operating clock is 40 MHz.
SYS2 CPU performs the following processing.

- Controls LSIs, DSP, and PIOs on VPR-47, APR-40/40C, DEC-110 (for DNW-75/75P only), SDI-41/41C, DPR-118/118C, DPR-119 (BKNW-118), and DPR-120 (BKNW-117: for DNW-75/75P only) boards.
- Processes communications with MPUs on EQ-75/75C and SDI-41/41C boards.
- Controls the fluorescent (FL) indicator (audio level meter).
- Processes communications with SYS1 CPU.
- Processes communications with servo CPU.
- Time code (TC) processing

Servo control

Servo CPU uses 16-bit CPU. The operating clock is 20 MHz.
Servo CPU performs the following processing.

- Controls various motor drivers (capstan, reels, and drum).
- Detects each FG signal, PG signal, and sensor state.
- Generates each mode signal and timing pulse corresponding to the tape transport state.
- Controls the addresses of each JOG memory on the VPR-47 board and the DPR-118/118C board.
- Processes communications with drum MPU (head select control MPU).

Each communication between SYS1 CPU and SYS2 CPU, and SYS2 CPU and servo CPU is performed via the dual port RAM.

(6) SDTI Input/Output System (Option) (DPR-119 and DPR-120 Boards)

SDTI input processing is performed on the DPR-120 board (BKNW-117), and the SDTI output processing is performed on the DPR-119 board (BKNW-118).

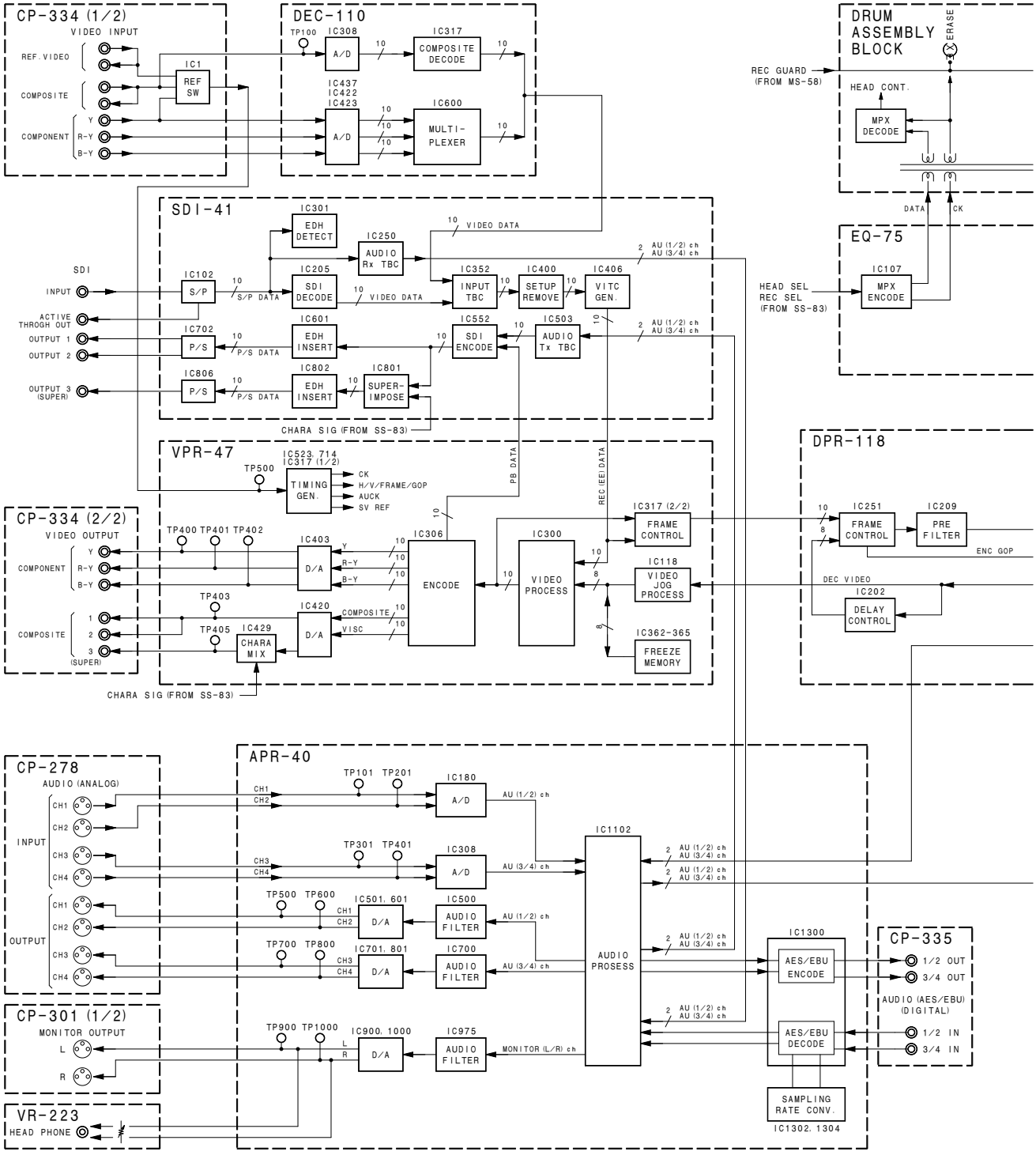
Input line (DNW-75/75P only)

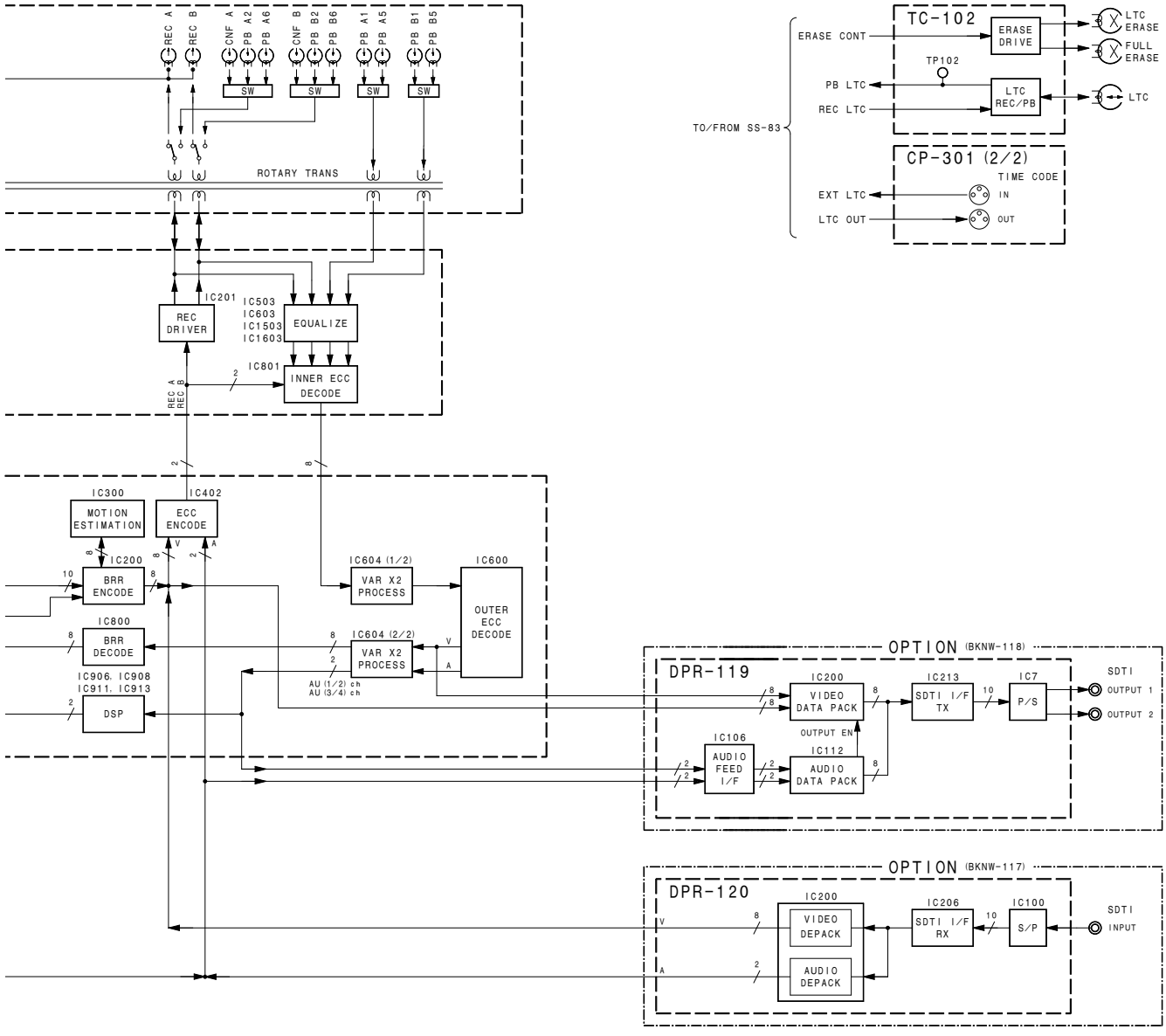
The inputted SDTI signal from the connector panel is converted from serial to parallel on the DPR-120 board and input through the SDTI interface block to the video/audio depack block.
The video/audio depack block separates and extracts video signal data (SX-encoded bit stream data) and audio signal data from the input signal. The separated and extracted data is sent to the DPR-118 board.

Output lines

The video signal data and audio signal data that are output from the DPR-118/118C board as SDTI output signal data are packed by the video and audio data pack blocks on the DPR-119 board.
The packed signal data is passed through an SDTI interface block and converted from parallel to serial.
The converted signal data is then output from the connector panel as the SDTI output signal.

OVERALL (1/3) Block Diagram
(DNW-75/75P)

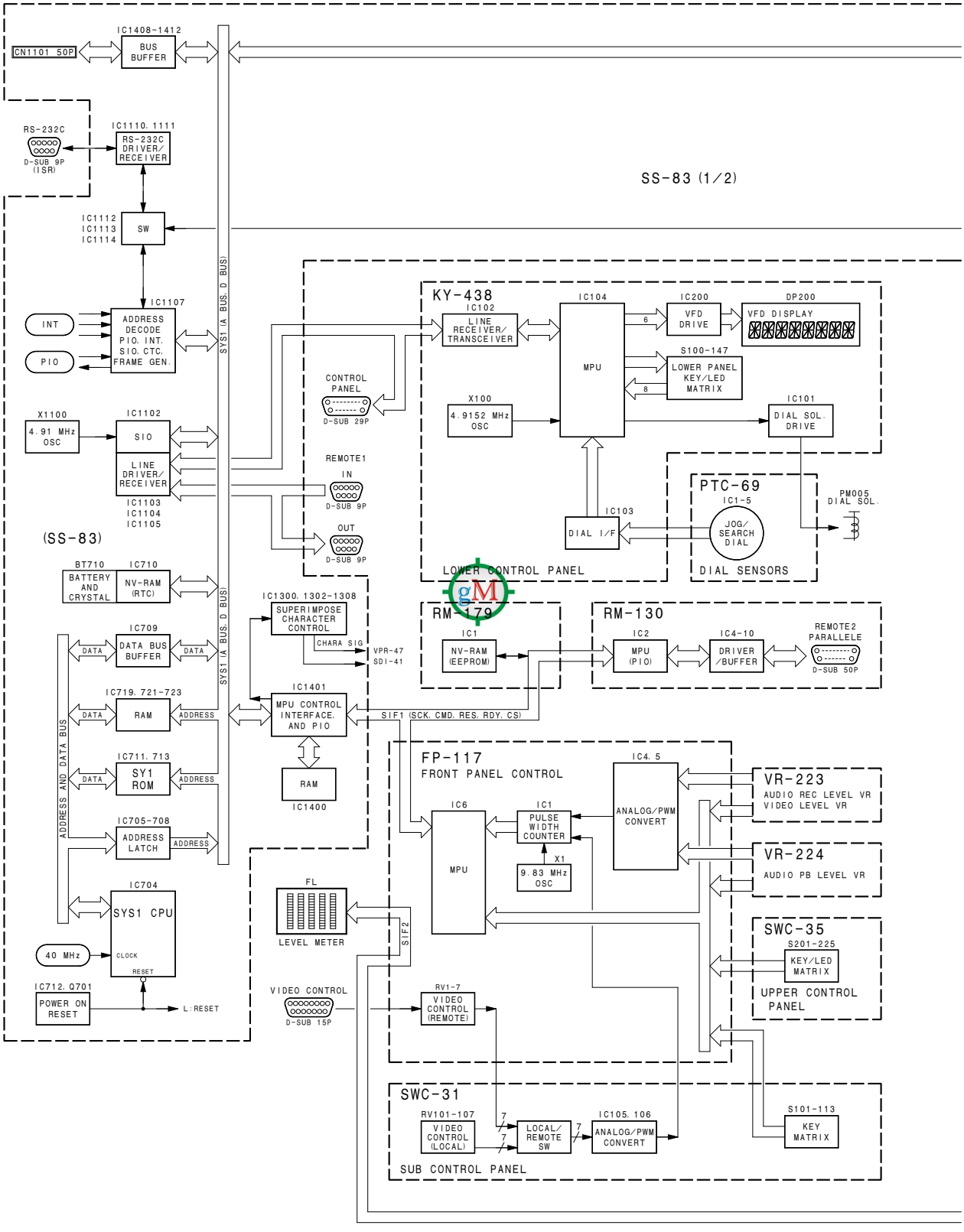


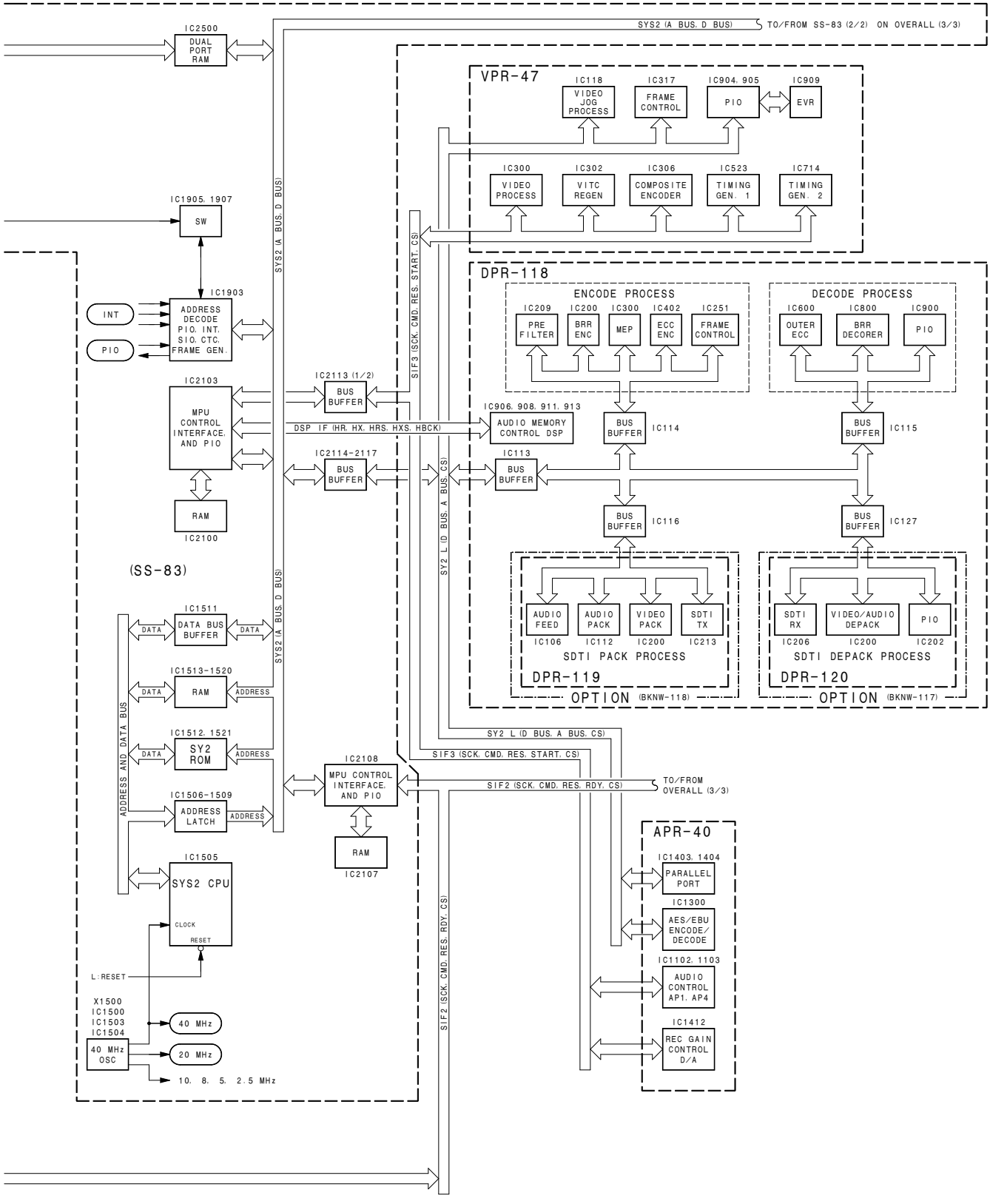


Signal processing system
OVERALL (1/3)
DNW-75/75P

OVERALL (2/3) Block Diagram

(DNW-75/75P)



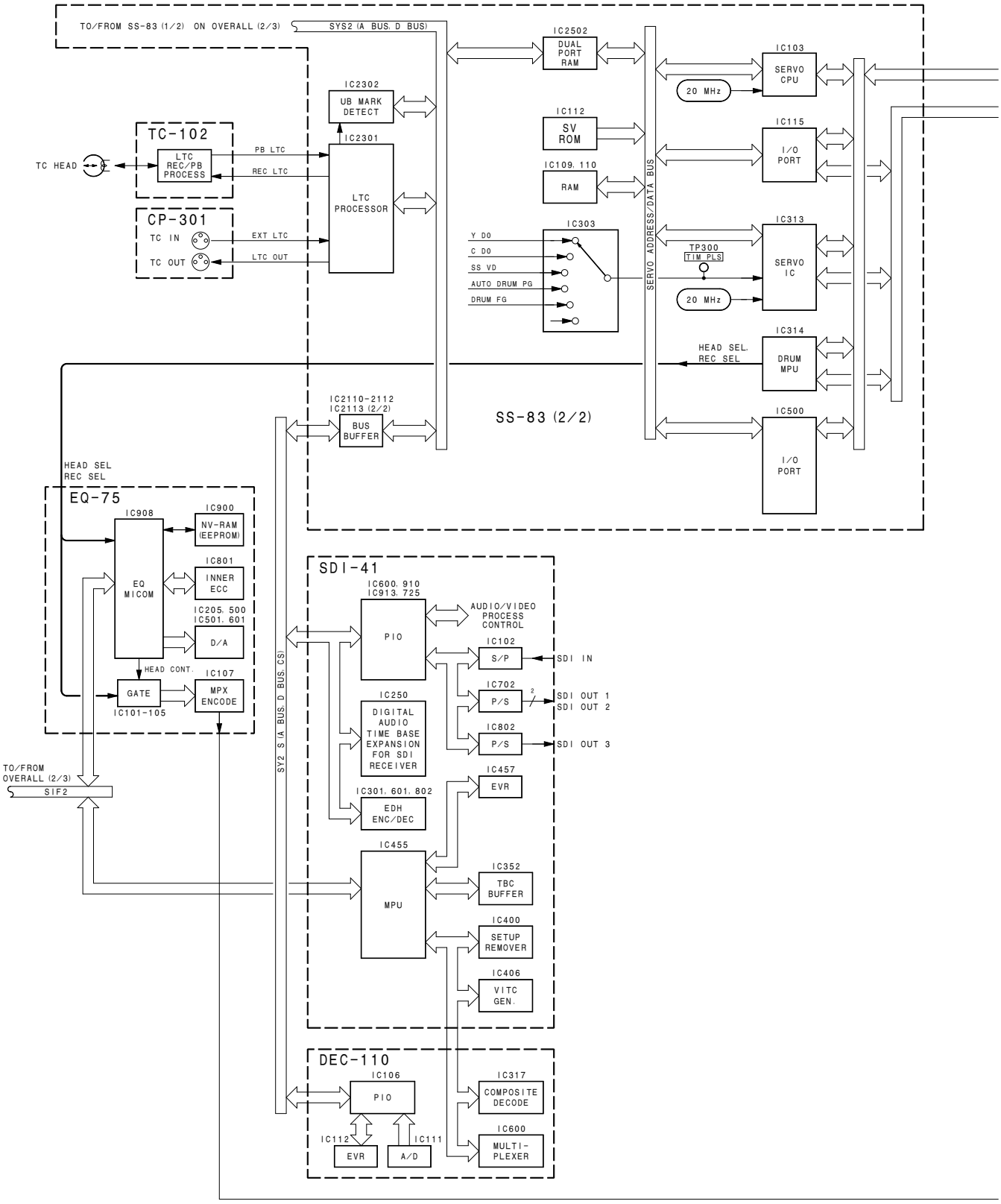


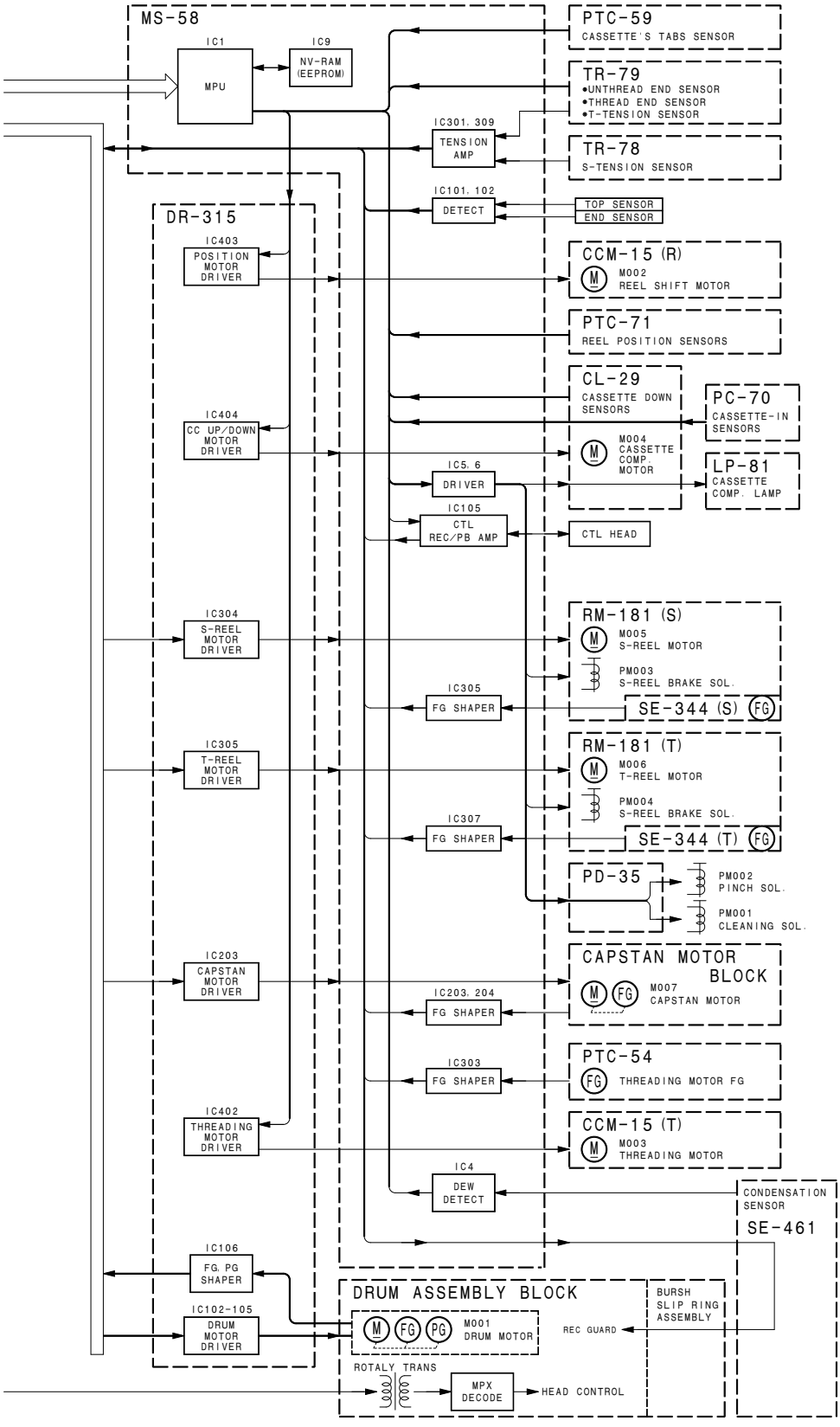
Servo/System control system (1/2)

OVERALL (2/3)

DNW-75/75P

OVERALL (3/3) Block Diagram
(DNW-75/75P)





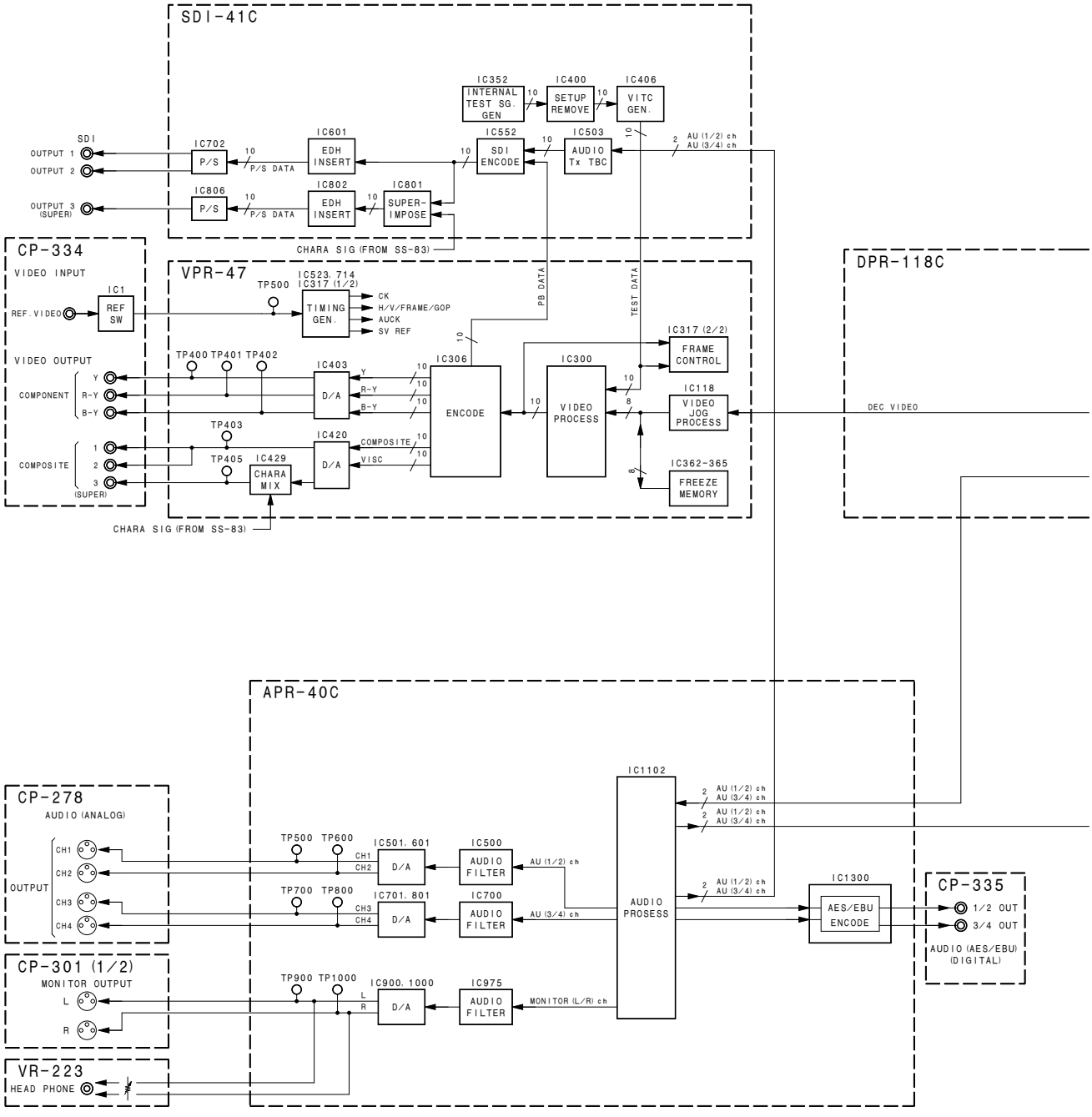
Servo/System control system (2/2)

OVERALL (3/3)

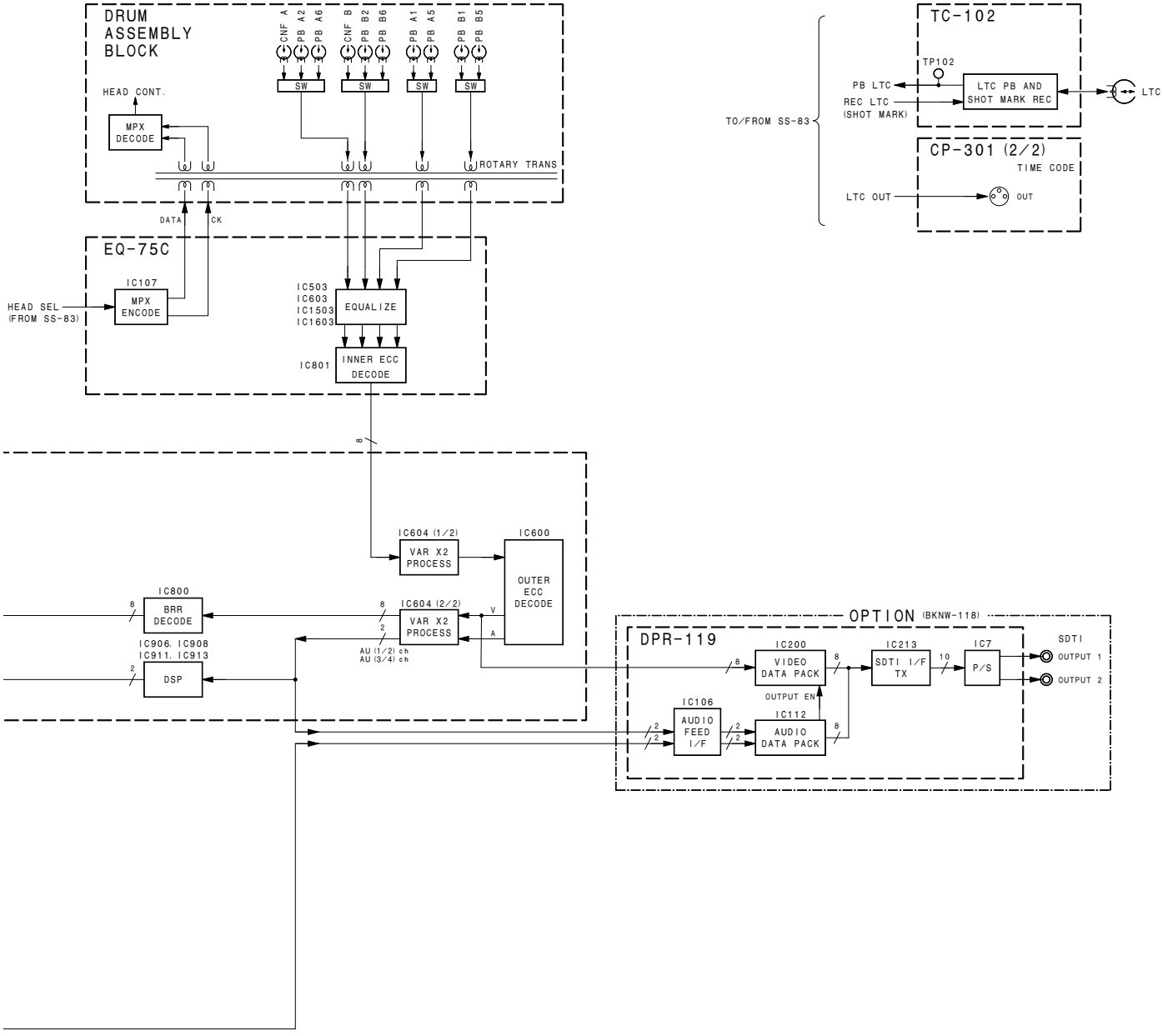
DNW-75/75P

OVERALL (1/3) Block Diagram

(DNW-65/65P)



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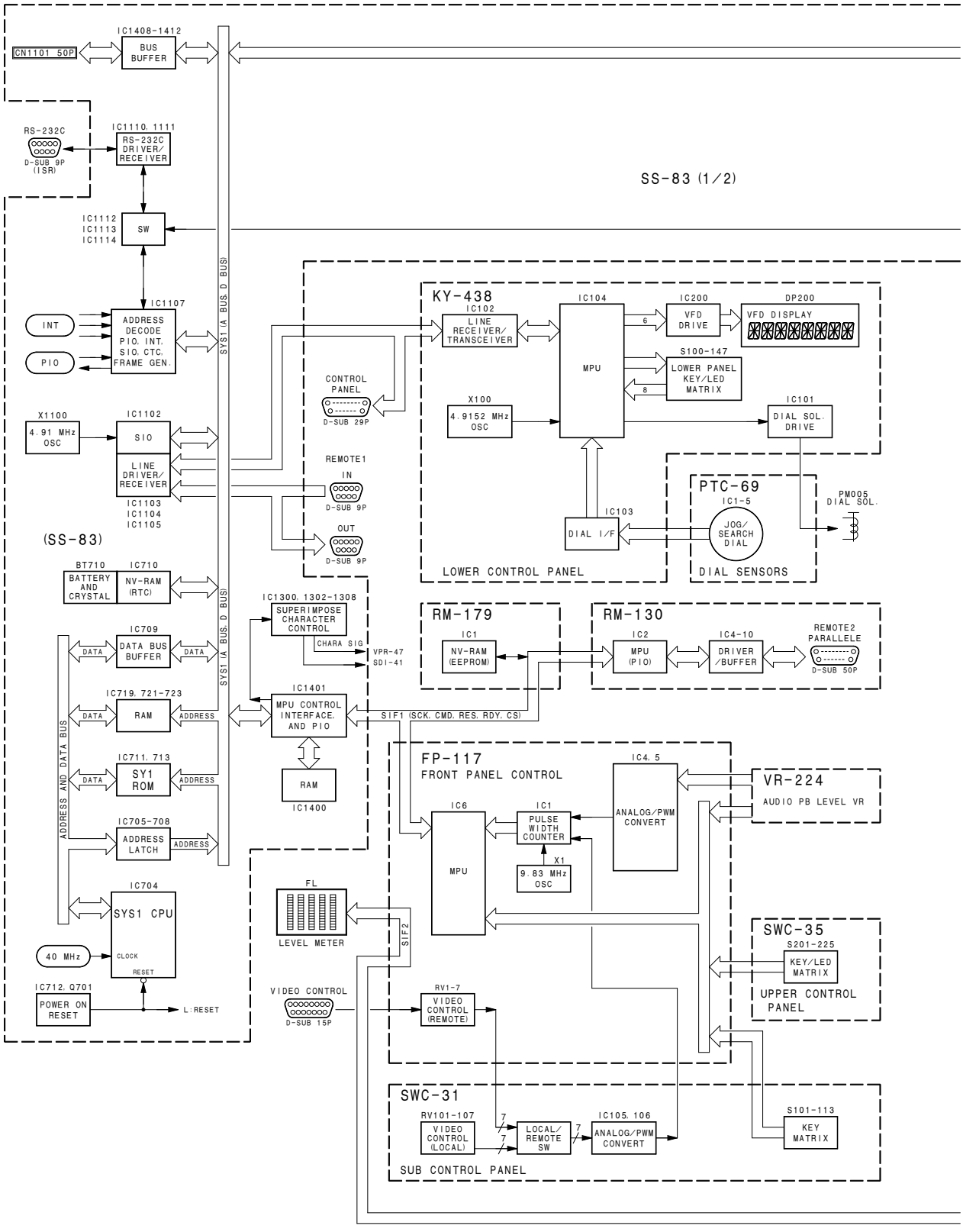
Signal processing system

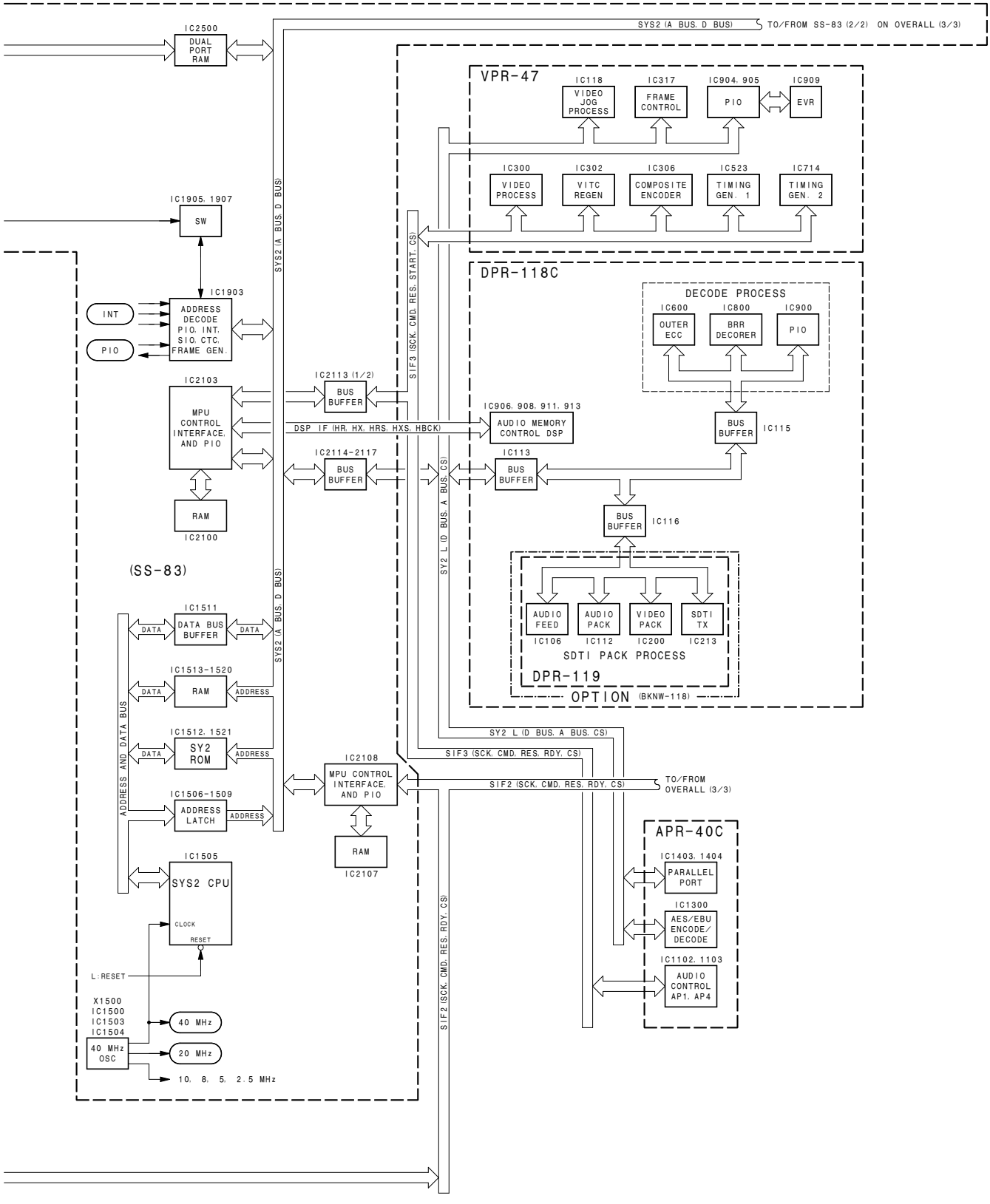
OVERALL (1/3)

DNW-65/65P

OVERALL (2/3) Block Diagram

(DNW-65/65P)





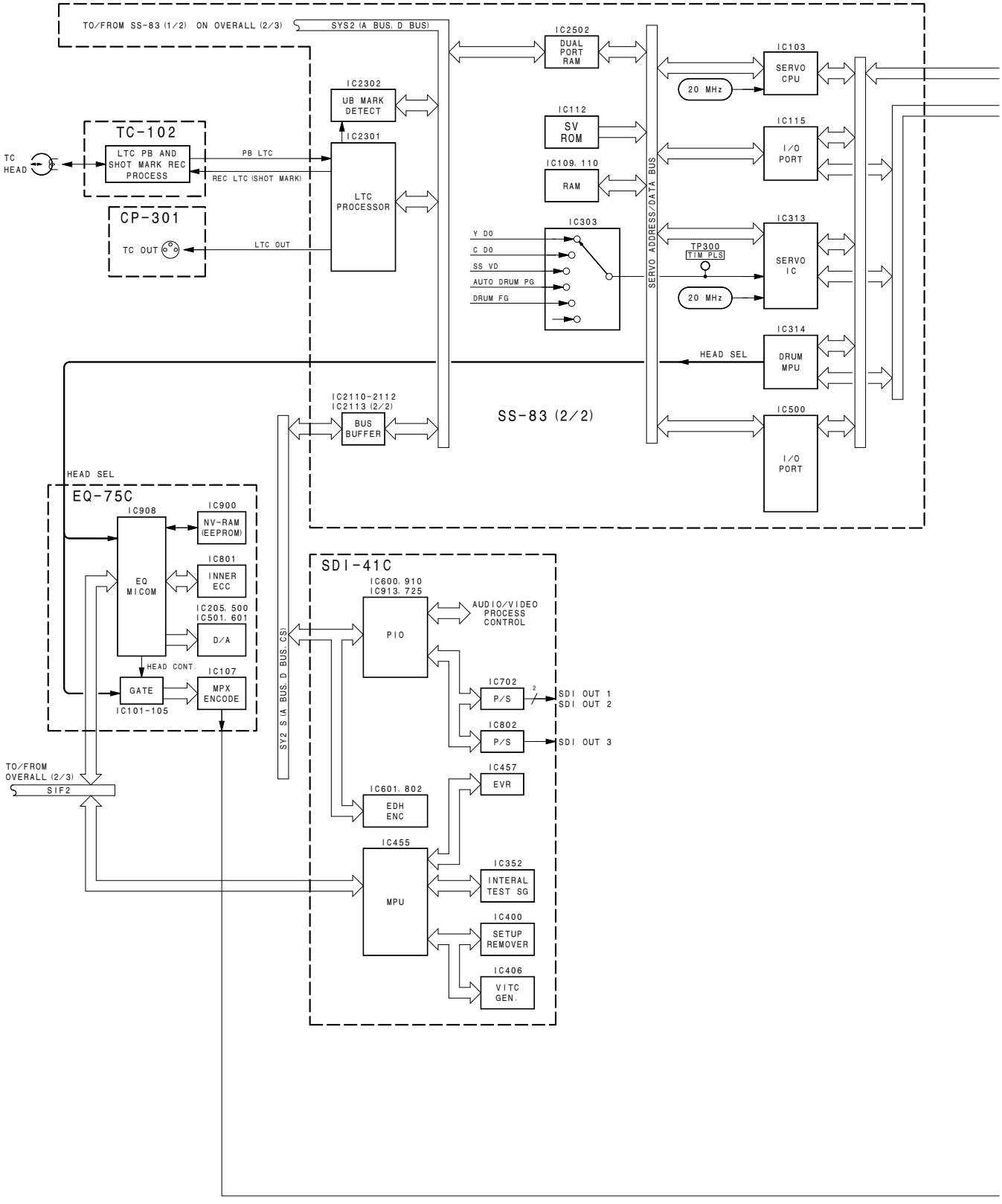
Servo/System control system (1/2)

OVERALL (2/3)

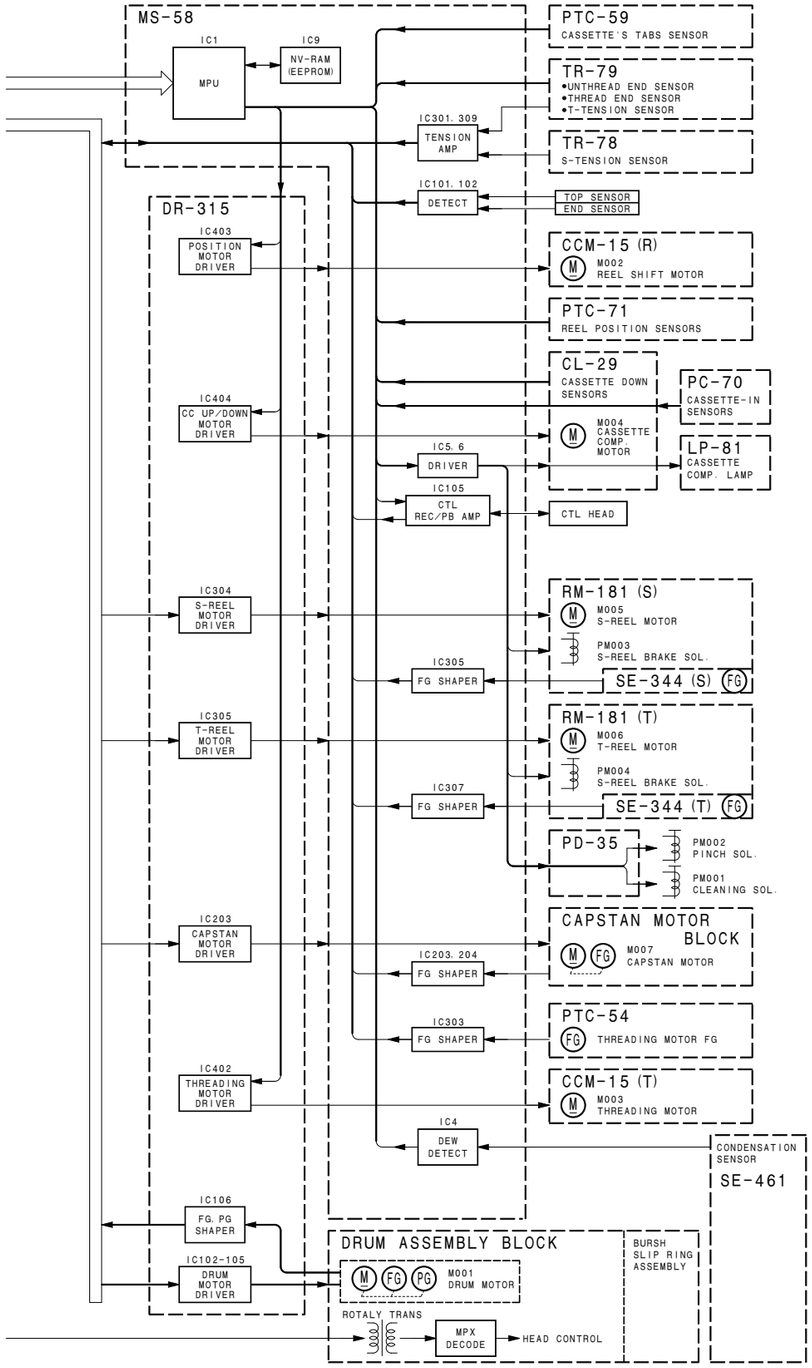
DNW-65/65P

OVERALL (3/3) Block Diagram

(DNW-65/65P)



OVERALL (3/3) Block Diagram (DNW-65/65P)

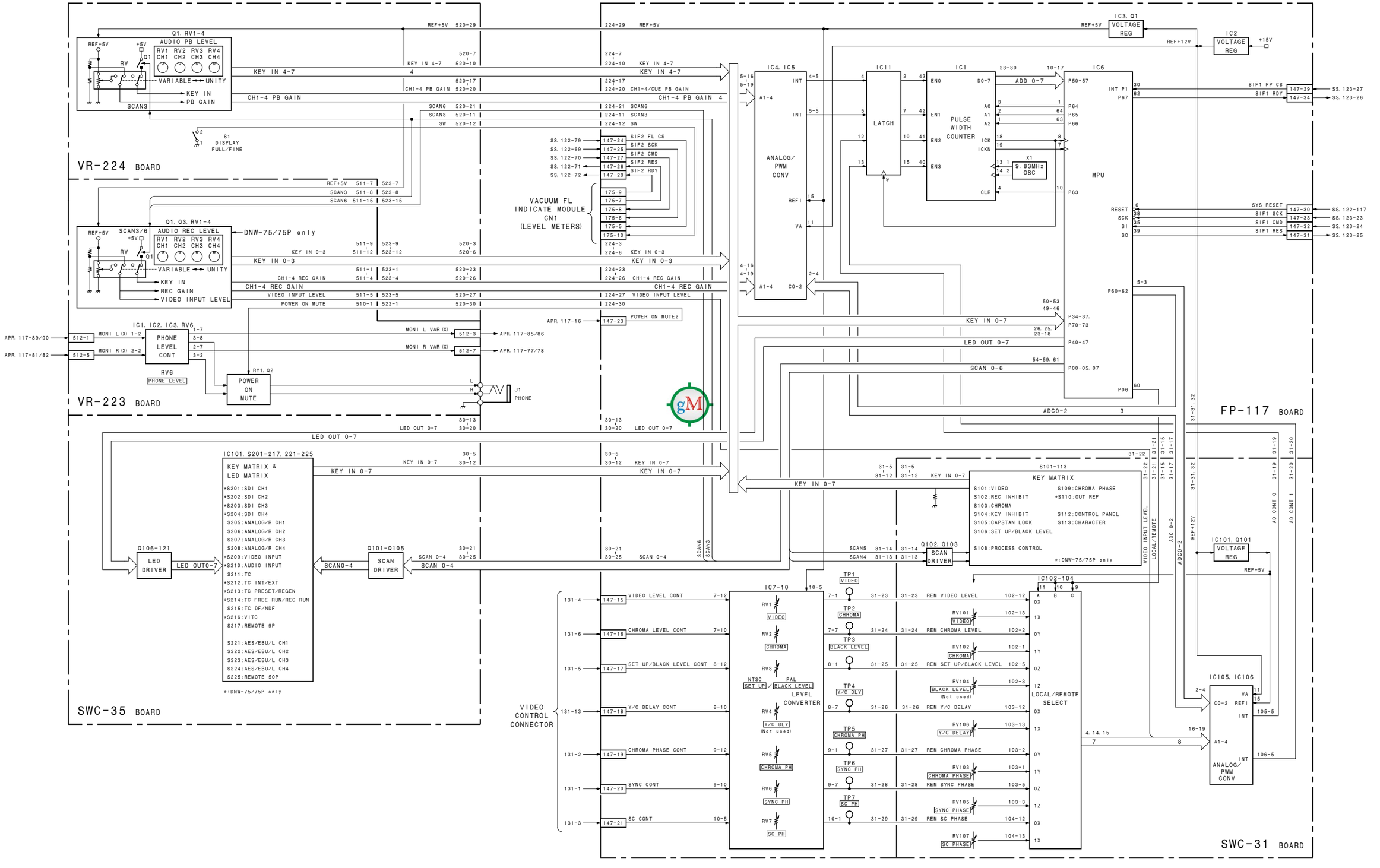


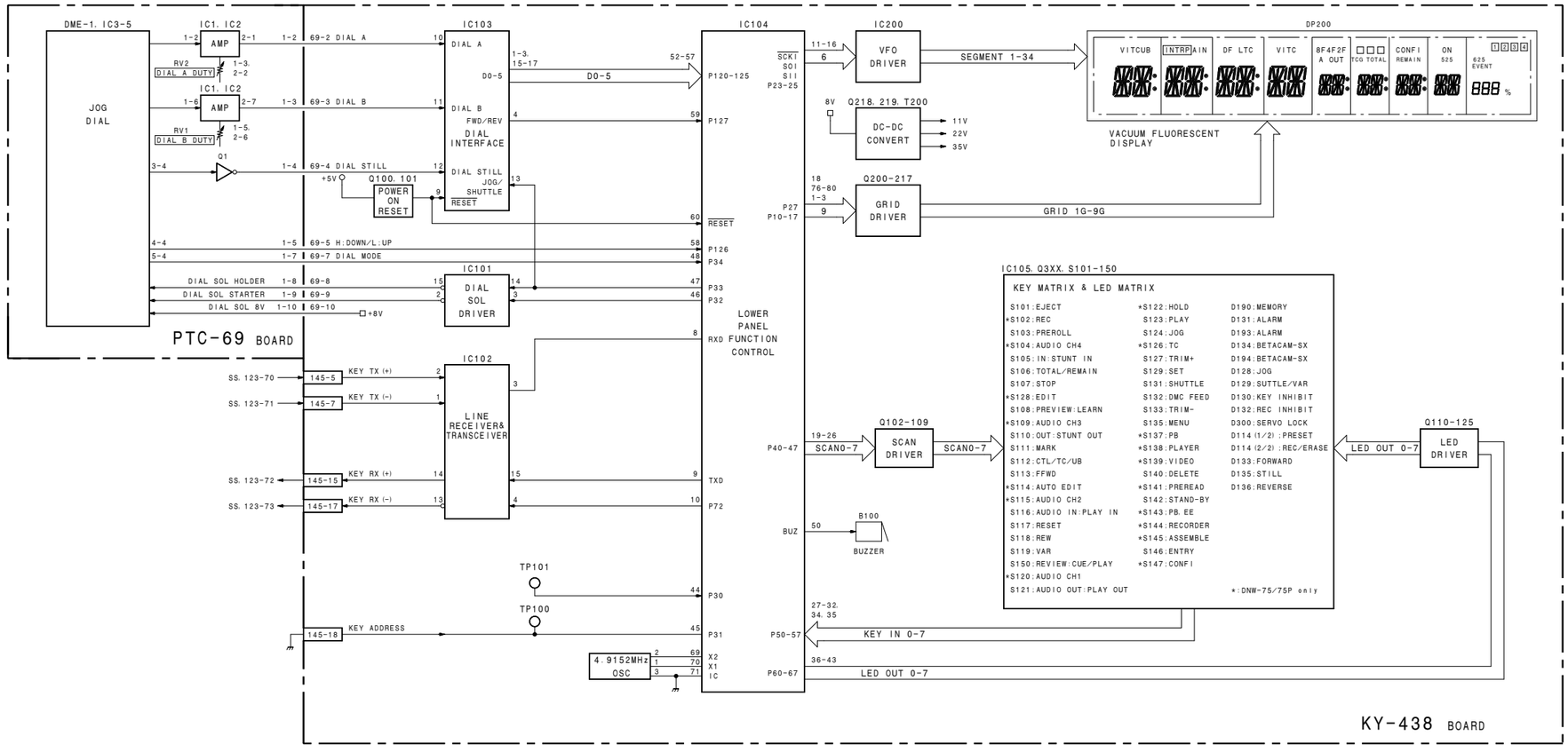
Servo/System control system (2/2)

OVERALL (3/3)

DNW-65/65P

2-21


VR-224 BOARD
Q1. RV1-4
AUDIO PB LEVEL
RV1 RV2 RV3 RV4
CH1 CH2 CH3 CH4
VARIABLE UNITY
KEY IN
PB GAIN
SCAN3
S1
DISPLAY
FULL/FINE
REF+5V 520-29
KEY IN 4-7 520-7 520-10
CH1-4 PB GAIN 520-17 520-20
SCAN6 520-21
SCAN3 520-11
SW 520-12
SS. 122-79 147-24 SIF2 FL CS
SS. 122-69 147-25 SIF2 SCK
SS. 122-70 147-27 SIF2 CMD
SS. 122-71 147-26 SIF2 RES
SS. 122-72 147-28 SIF2 RDY
VACUUM FL
INDICATE MODULE
CN1
(LEVEL METERS)
175-9
175-7
175-8
175-6
175-5
175-10
224-3
REF+5V 511-7 523-7
SCAN3 511-8 523-8
SCAN6 511-15 523-15
Q1. Q3. RV1-4
AUDIO REC LEVEL
SCAN3/6
DNW-75/75P only
KEY IN
REC GAIN
VIDEO INPUT LEVEL
KEY IN 0-3 511-9 523-9 520-3
KEY IN 0-3 511-12 523-12 520-6
CH1-4 REC GAIN 511-1 523-1 520-23
CH1-4 REC GAIN 511-4 523-4 520-26
VIDEO INPUT LEVEL 511-5 523-5 520-27
POWER ON MUTE 510-1 522-1 520-30
APR. 117-16 147-23 POWER ON MUTE2
IC1, IC2, IC3. RV6
PHONE LEVEL CONT
MONI L (X) 1-2
MONI R (X) 2-2
APR. 117-89/90 512-1
APR. 117-81/82 512-5
MONI L VAR (X) 512-3
MONI R VAR (X) 512-7
APR. 117-85/86
APR. 117-77/78
RV6
PHONE LEVEL
RV1. Q2
POWER ON MUTE
J1
PHONE
LED OUT 0-7 30-13 30-20
KEY IN 0-7 30-5 30-12
IC101, S201-217, 221-225
KEY MATRIX &
LED MATRIX
*S201:SDI CH1
*S202:SDI CH2
*S203:SDI CH3
*S204:SDI CH4
S205:ANALOG/R CH1
S206:ANALOG/R CH2
S207:ANALOG/R CH3
S208:ANALOG/R CH4
*S209:VIDEO INPUT
*S210:AUDIO INPUT
S211:TC
*S212:TC INT/EXT
*S213:TC PRESET/REGEN
*S214:TC FREE RUN/REC RUN
S215:TC DF/NDF
*S216:VITC
S217:REMOTE 9P
S221:AES/EBU/L CH1
S222:AES/EBU/L CH2
S223:AES/EBU/L CH3
S224:AES/EBU/L CH4
S225:REMOTE 50P
*:DNW-75/75P only
Q106-121
LED DRIVER
LED OUT0-7
Q101-Q105
SCAN DRIVER
SCAN0-4
SCAN 0-4 30-21 30-25
SCAN6
SCAN3
SWC-35 BOARD
VIDEO CONTROL CONNECTOR
131-4 147-15 VIDEO LEVEL CONT 7-12
131-6 147-16 CHROMA LEVEL CONT 7-10
131-5 147-17 SET UP/BLACK LEVEL CONT 8-12
131-13 147-18 Y/C DELAY CONT 8-10
131-2 147-19 CHROMA PHASE CONT 9-12
131-1 147-20 SYNC CONT 9-10
131-3 147-21 SC CONT 10-5
IC7-10
RV1 VIDEO
RV2 CHROMA
RV3 NTSC SET UP / PAL BLACK LEVEL
LEVEL CONVERTER
RV4 Y/C DLY (Not used)
RV5 CHROMA PH
RV6 SYNC PH
RV7 SC PH
TP1 VIDEO
TP2 CHROMA
TP3 BLACK LEVEL
TP4 Y/C DLY
TP5 CHROMA PH
TP6 SYNC PH
TP7 SC PH
REM VIDEO LEVEL 102-12
REM CHROMA LEVEL 102-2
REM SET UP/BLACK LEVEL 102-5
REM Y/C DELAY 103-12
REM CHROMA PHASE 103-2
REM SYNC PHASE 103-5
REM SC PHASE 104-12
IC102-104
LOCAL/REMOTE SELECT
RV101 VIDEO 102-13
RV102 CHROMA 102-1
RV104 BLACK LEVEL (Not used) 102-3
RV106 Y/C DELAY 103-13
RV103 CHROMA PHASE 103-1
RV105 SYNC PHASE 103-3
RV107 SC PHASE 104-13
S101-113
KEY MATRIX
S101:VIDEO
S102:REC INHIBIT
S103:CHROMA
S104:KEY INHIBIT
S105:CAPSTAN LOCK
S106:SET UP/BLACK LEVEL
S108:PROCESS CONTROL
S109:CHROMA PHASE
*S110:OUT REF
S112:CONTROL PANEL
S113:CHARACTER
*:DNW-75/75P only
Q102. Q103
SCAN DRIVER
SCAN5 31-14 31-13
SCAN4 31-13 31-13
VIDEO INPUT LEVEL
LOCAL/REMOTE
ADC 0-2
IC4. IC5
ANALOG/ PWM CONV
IC11
LATCH
IC1
PULSE WIDTH COUNTER
EN0
EN1
EN2
EN3
D0-7
ICK
ICKN
CLR
X1
9.83MHz OSC
IC6
MPU
ADD 0-7
P50-57
P64
P65
P66
P63
P34-37, P70-73
P40-47
P00-05, 07
P06
P60-62
INT P1
P67
RESET
SCK
SI
SO
SIF1 FP CS
SIF1 RDY
SYS RESET
SIF1 SCK
SIF1 CMD
SIF1 RES
SS. 123-27
SS. 123-26
SS. 122-117
SS. 123-23
SS. 123-24
SS. 123-25
KEY IN 0-7
LED OUT 0-7
SCAN 0-6
ADC0-2
IC3. Q1
VOLTAGE REG
REF+5V
IC2
VOLTAGE REG
REF+12V
+15V
IC101. Q101
VOLTAGE REG
IC105. IC106
AD CONT 0
AD CONT 1
FP-117 BOARD
SWC-31 BOARD



Panel function (Switches, LEDs) control, CAV control level conversion

FP-117

DNW-75/75P: Audio REC and Phone level VRs, Phone connector
DNW-65/65P: Phone level VRs, Phone connector

VR-223

Audio PB level VRs

VR-224

Upper control panel function (Switches, LEDs)

SWC-35

Sub control panel function

SWC-31

Lower control panel function

KY-438

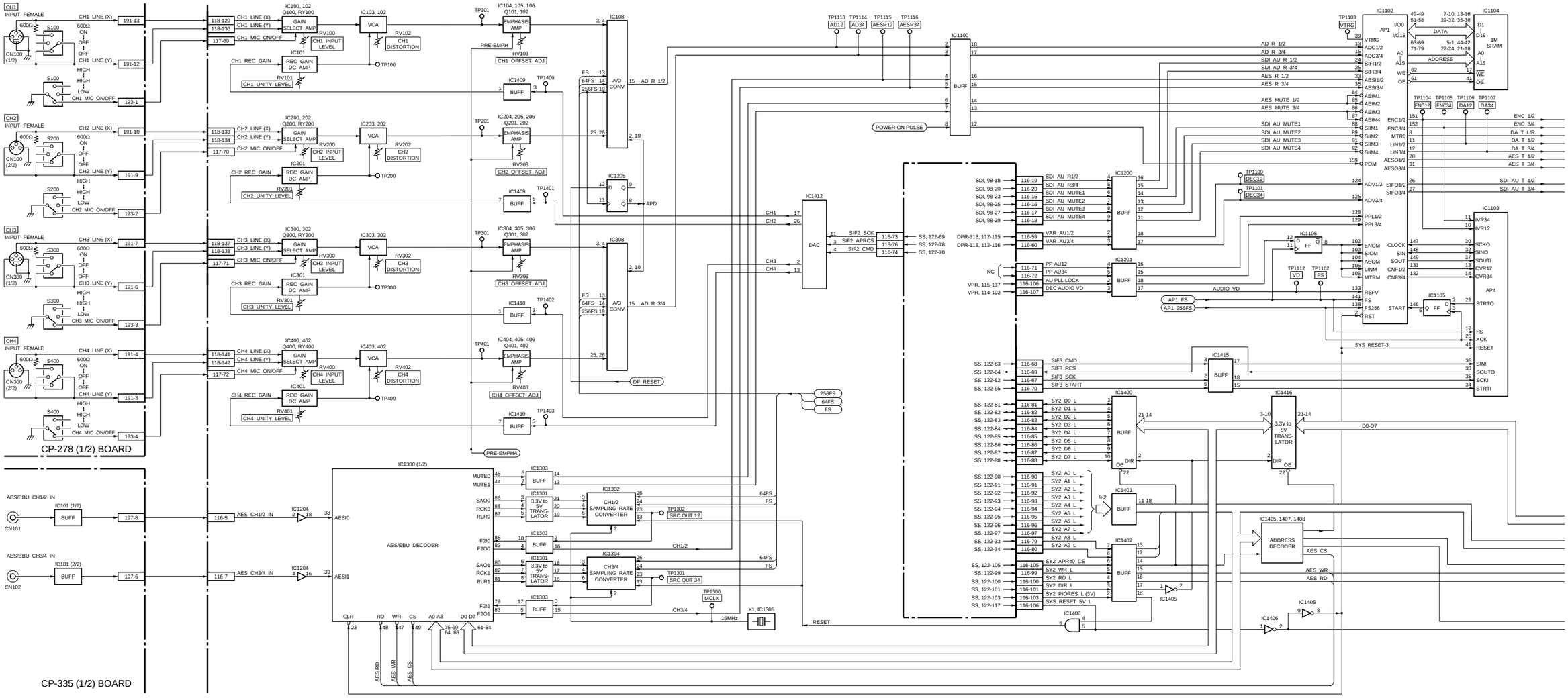
Search dial sensor, Dial solenoid connection

PTC-69

FUNCTION CONTROL

LOT NO. 905-

APR-40 Block Diagram (DNW-75/75P)

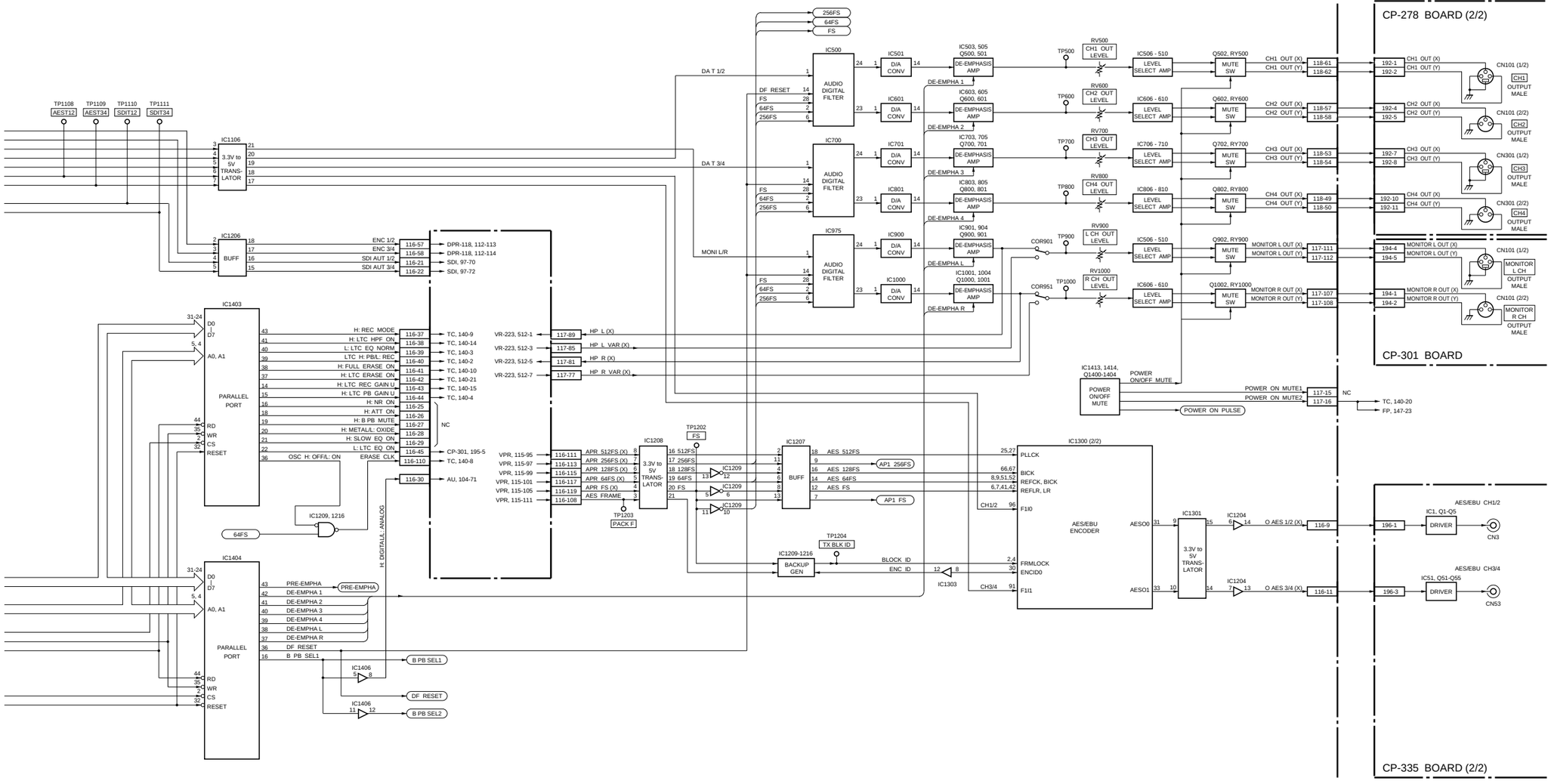


CP-278 (1/2) BOARD

CP-335 (1/2) BOARD

2-24

APR-40 Block Diagram (DNW-75/75P)

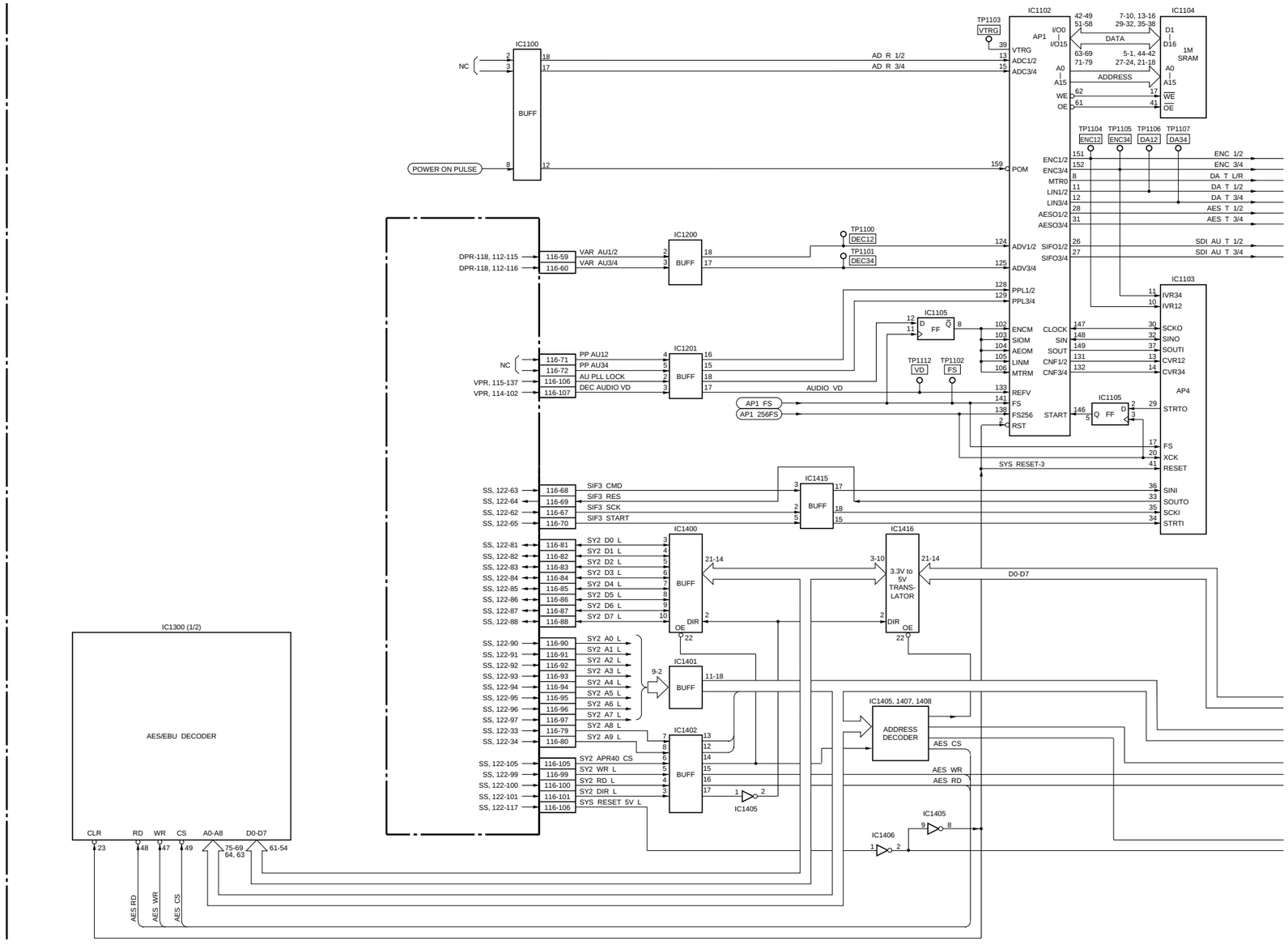


Audio signal processor, AES/EBU interface

APR-40

LOT NO. 905-
DNW-75/75P

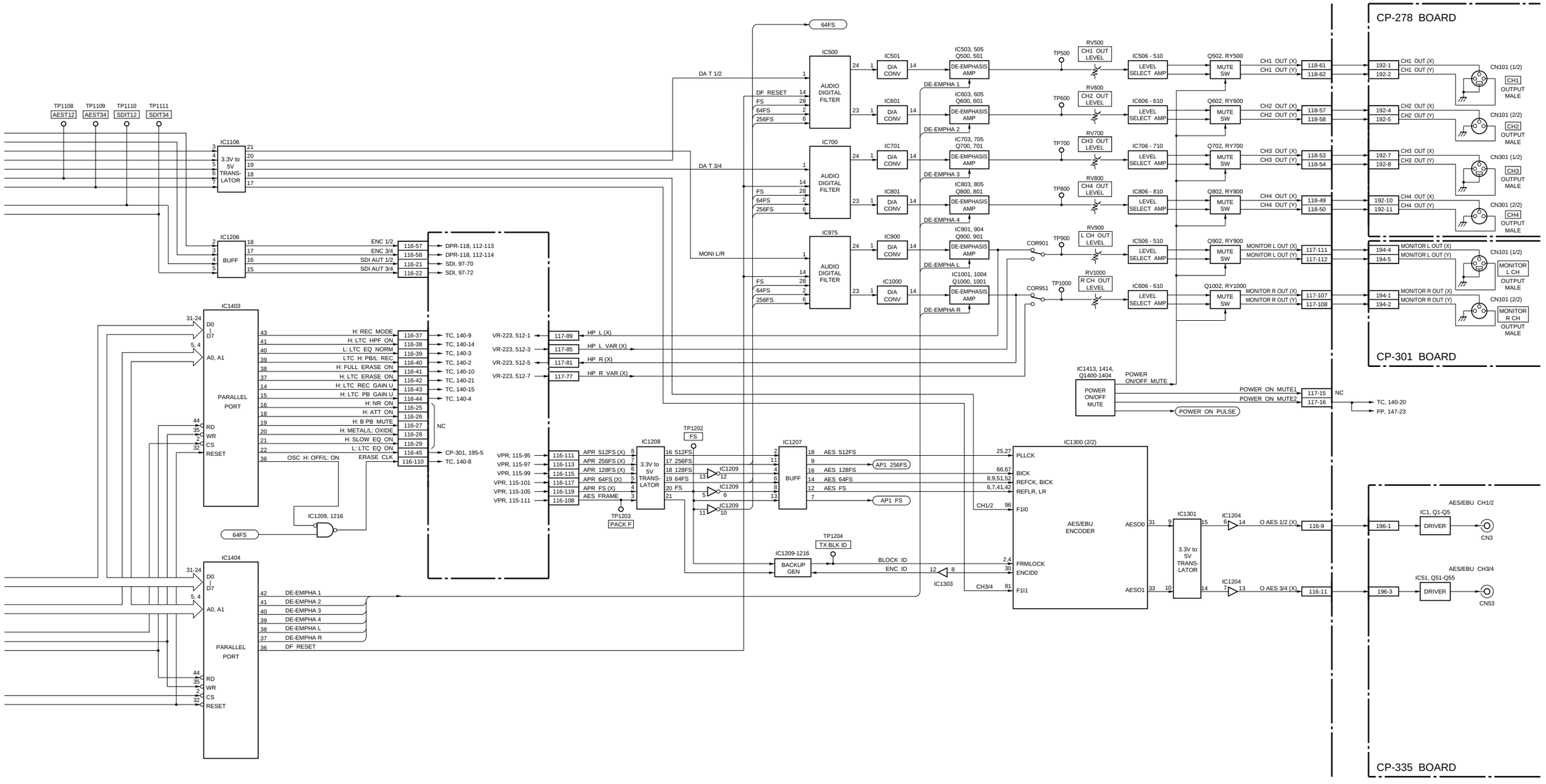
APR-40C Block Diagram (DNW-65/65P)



2-26

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APR-40C (DNW-65/65P) Block Diagram

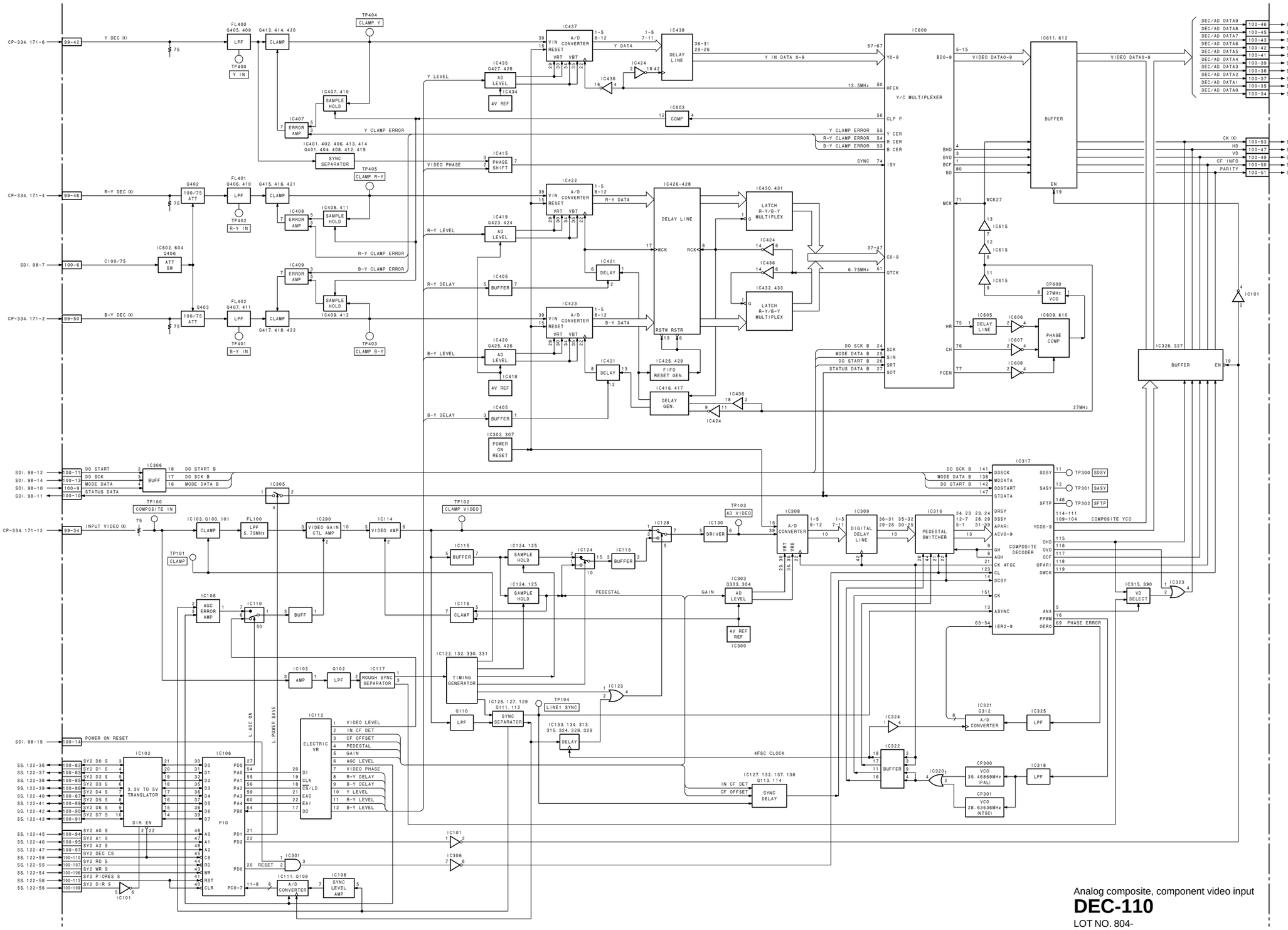


Audio signal processor, AES/EBU output interface

APR-40C

LOT NO. 905-
DNW-65/65P

DEC-110 Block Diagram (DNW-75/75P)

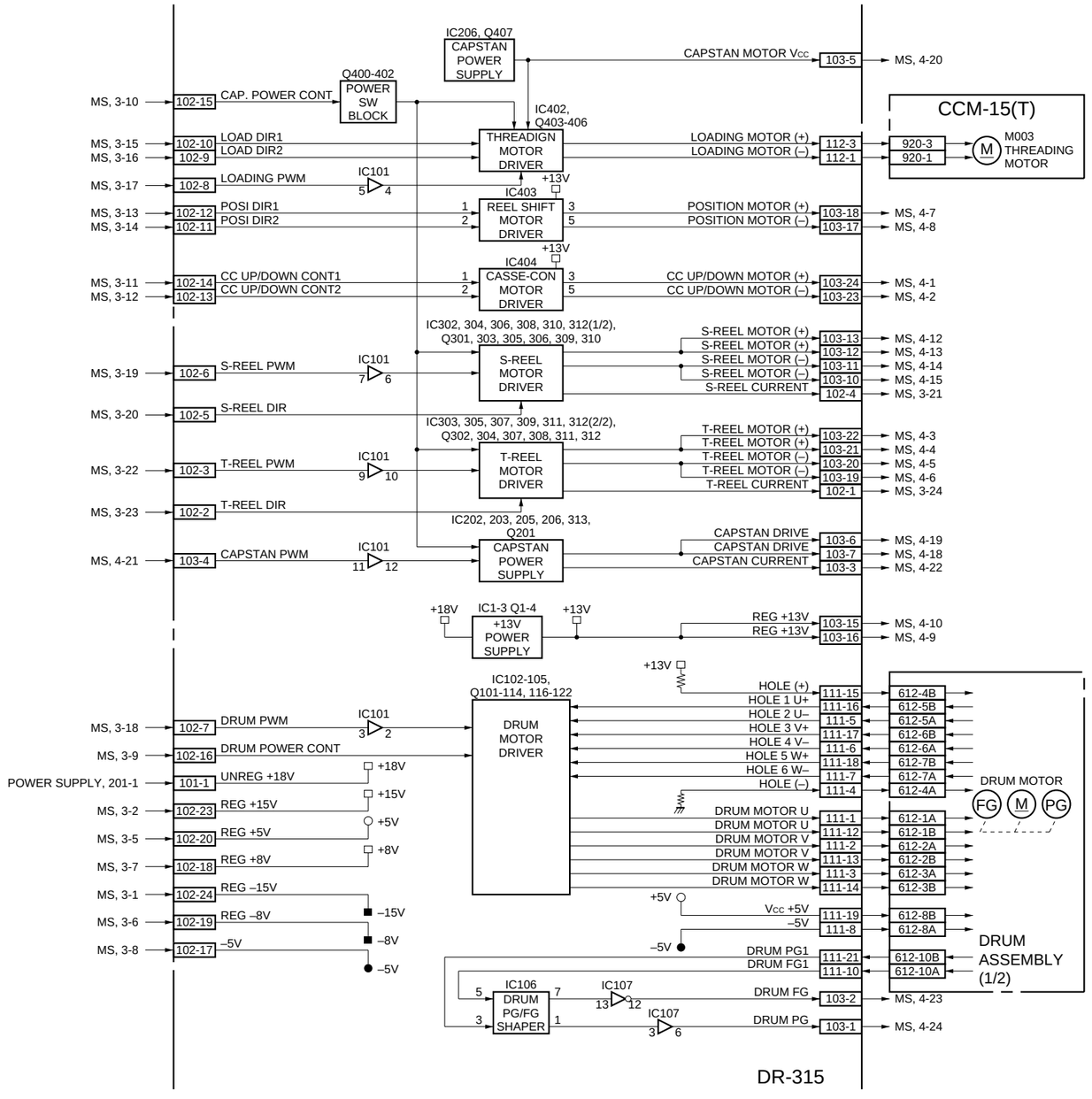


Analog composite, component video input

DEC-110

LOT NO. 804-
DNW-75/75P

2-28

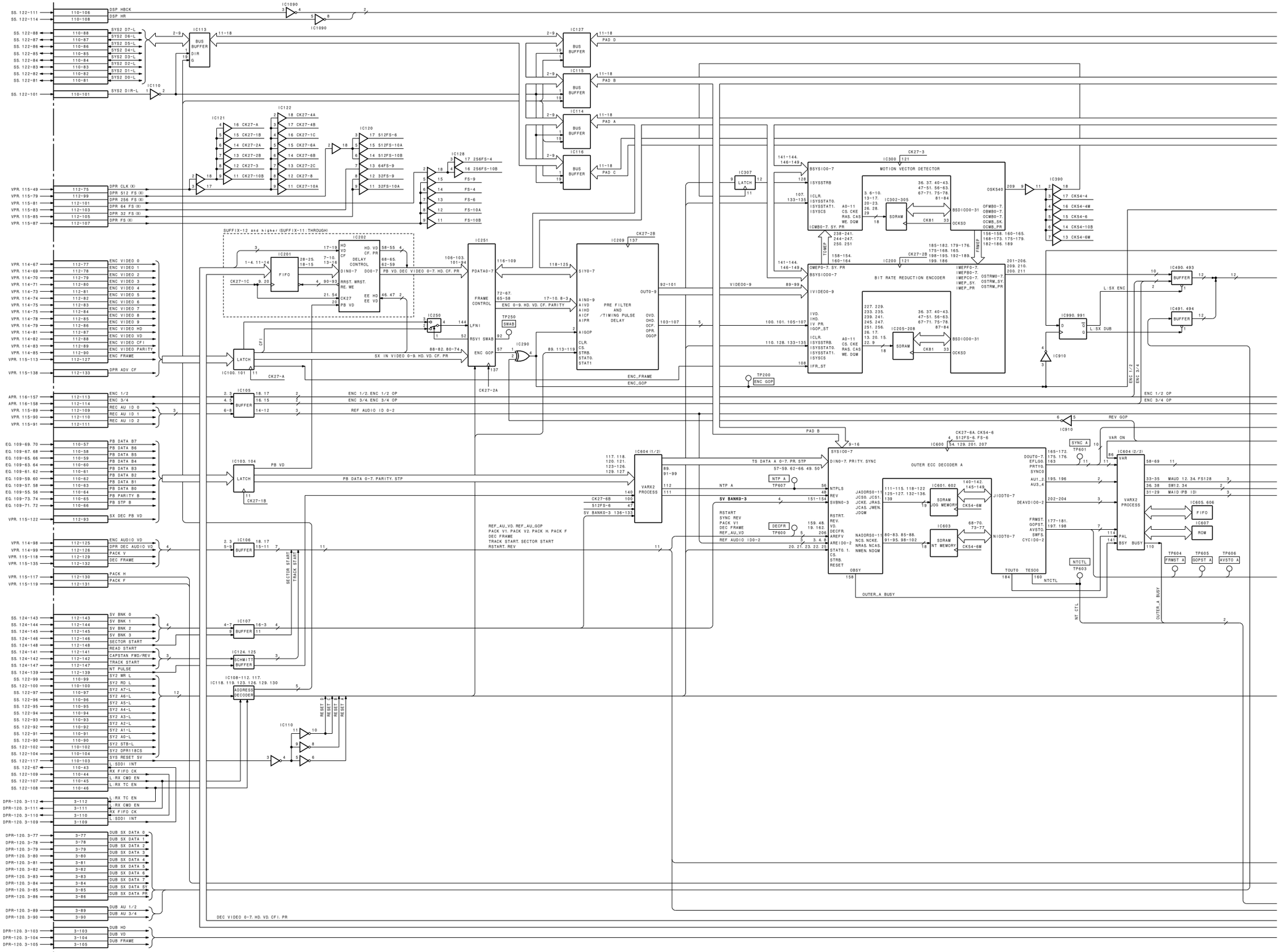


Motors driver (Drum, Capstan, Reels, Threading, Reel shift, Cassette up/down)

DR-315

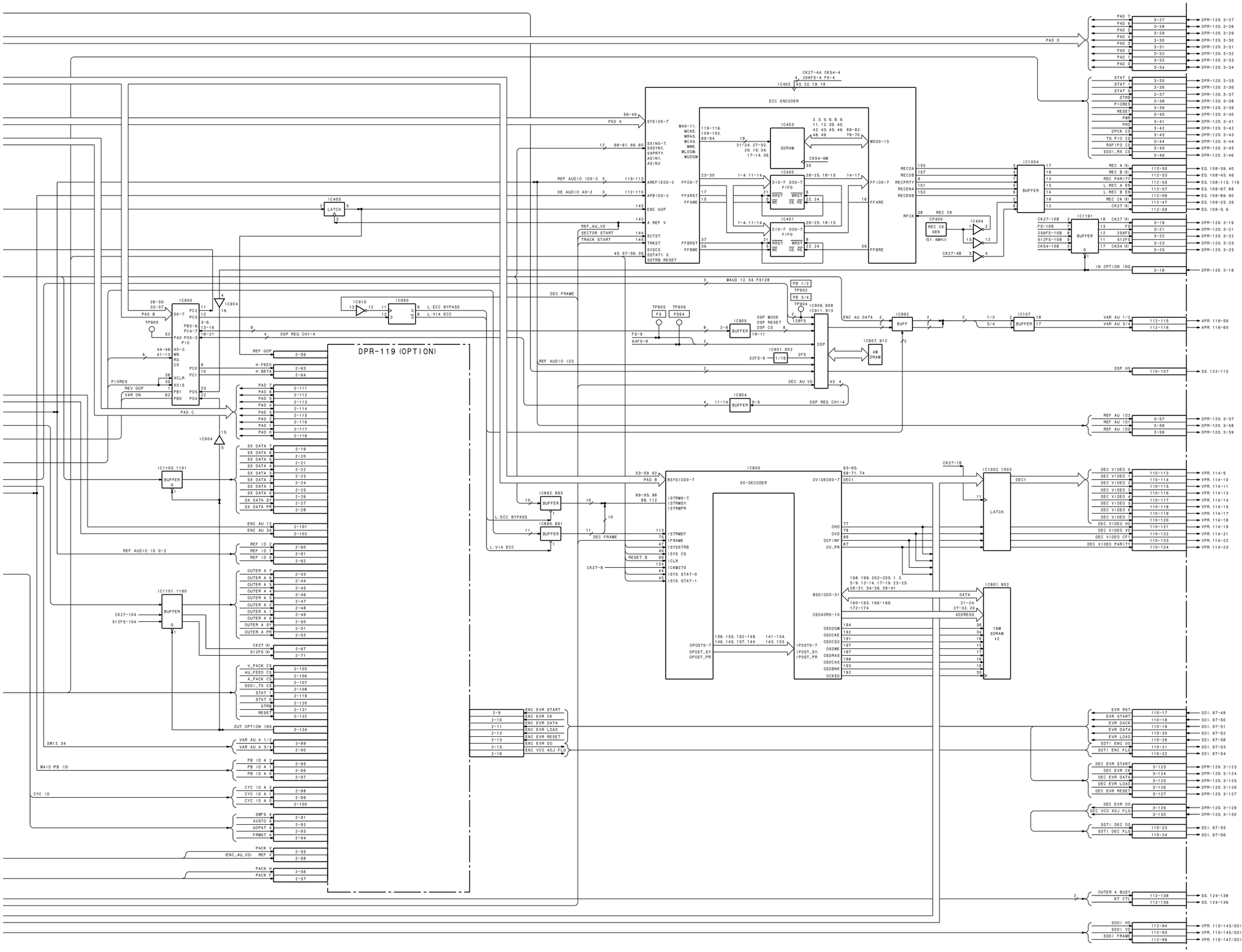
LOT NO. 905-

DPR-118 Block Diagram (DNW-75/75P)



2-30

DPR-118 Block Diagram (DNW-75/75P)



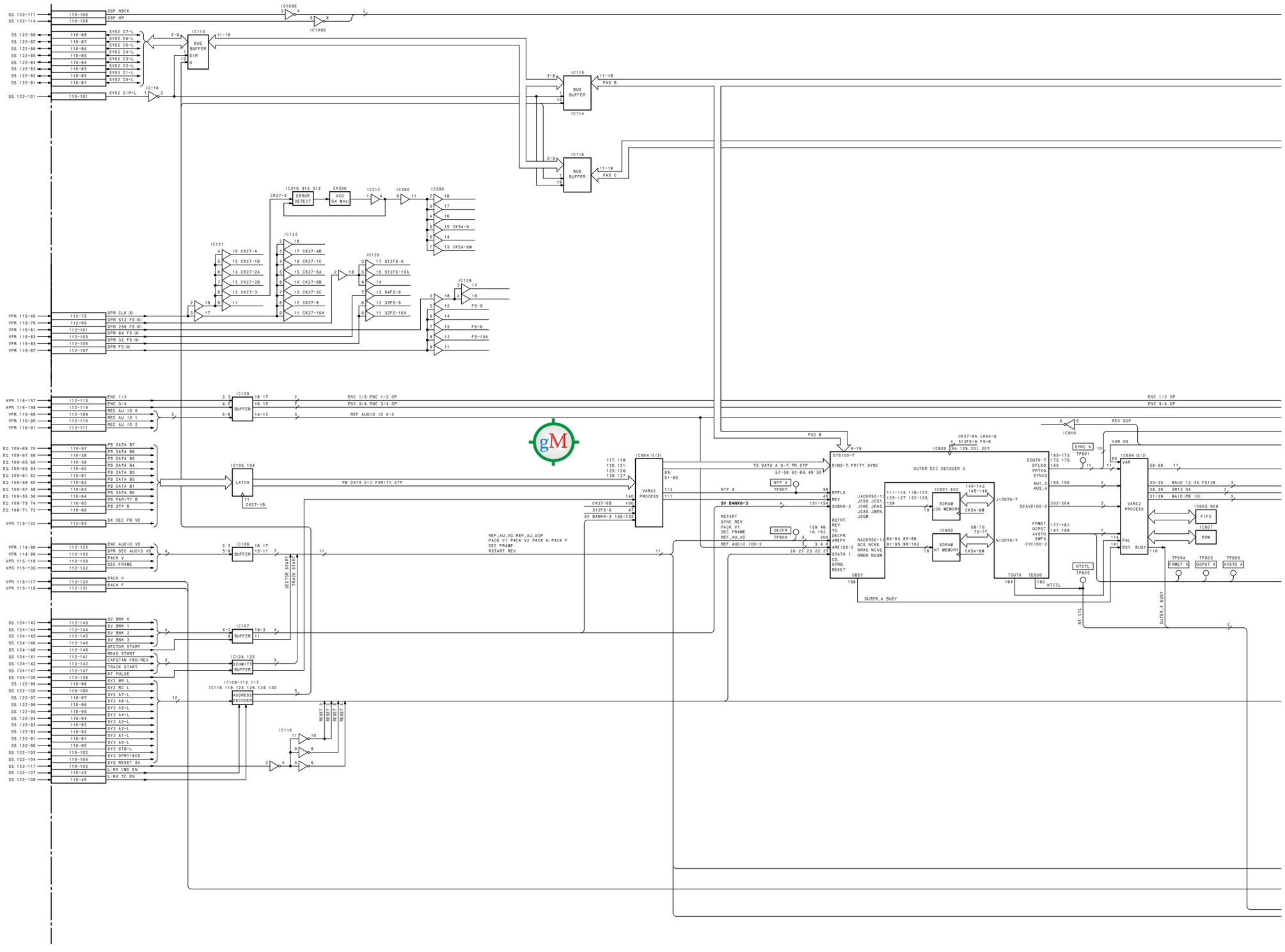
Digital data processor
(Audio/Video processor)

DPR-118

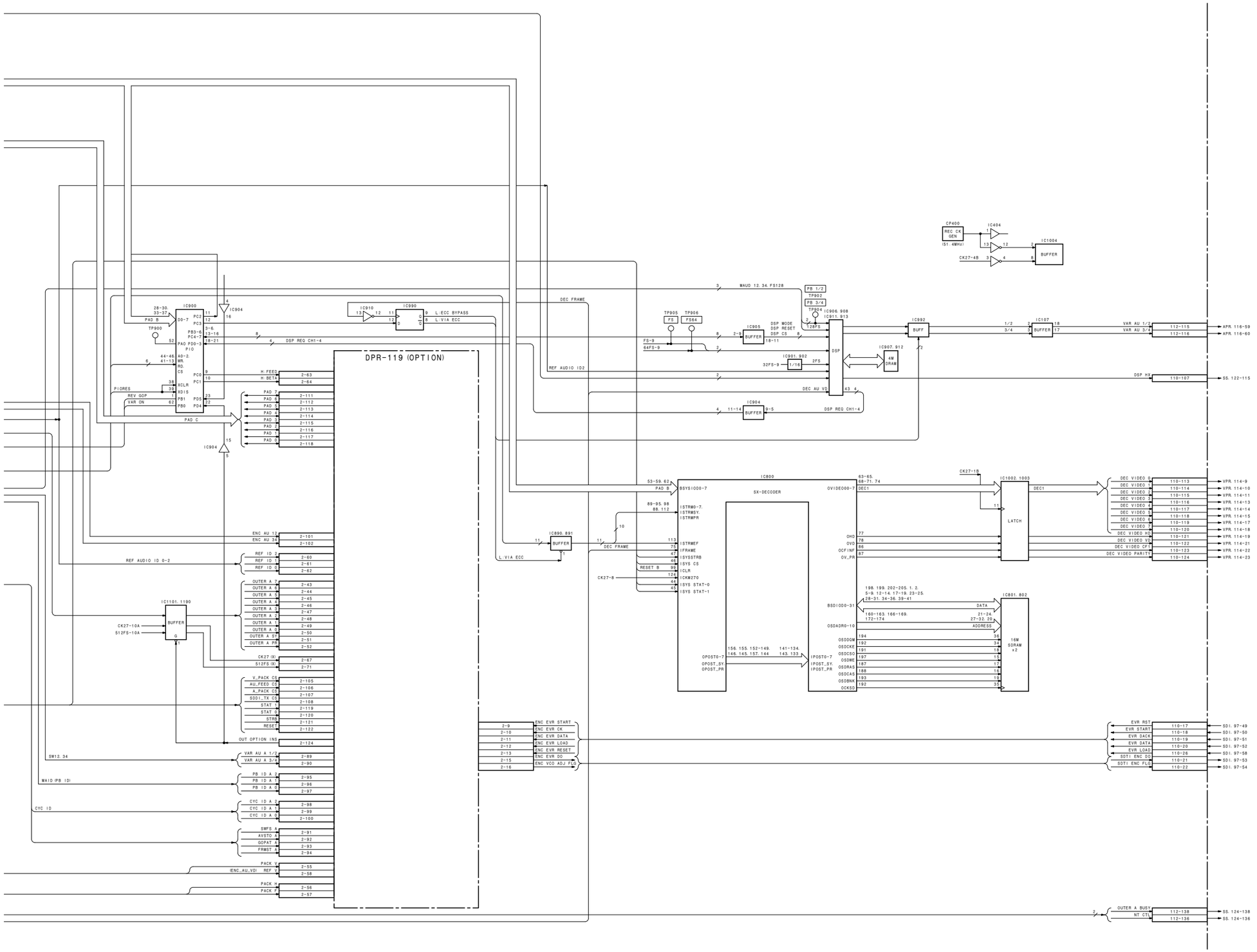
LOT NO. 804-
DNW-75/75P

2-31

DPR-118C Block Diagram (DNW-65/65P)



DPR-118C Block Diagram (DNW-65/65P)

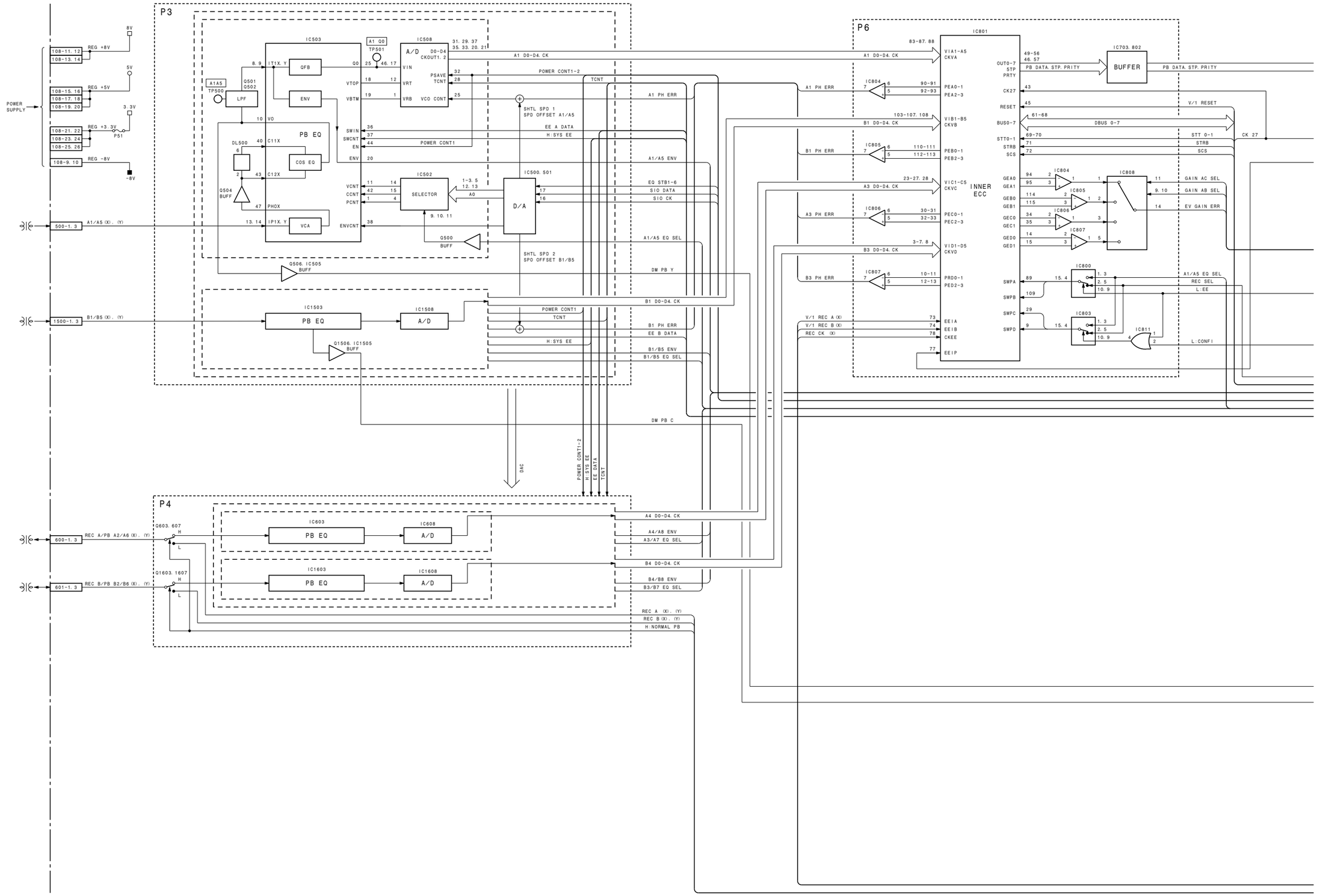


Digital data processor (Audio/Video processor)

DPR-118C

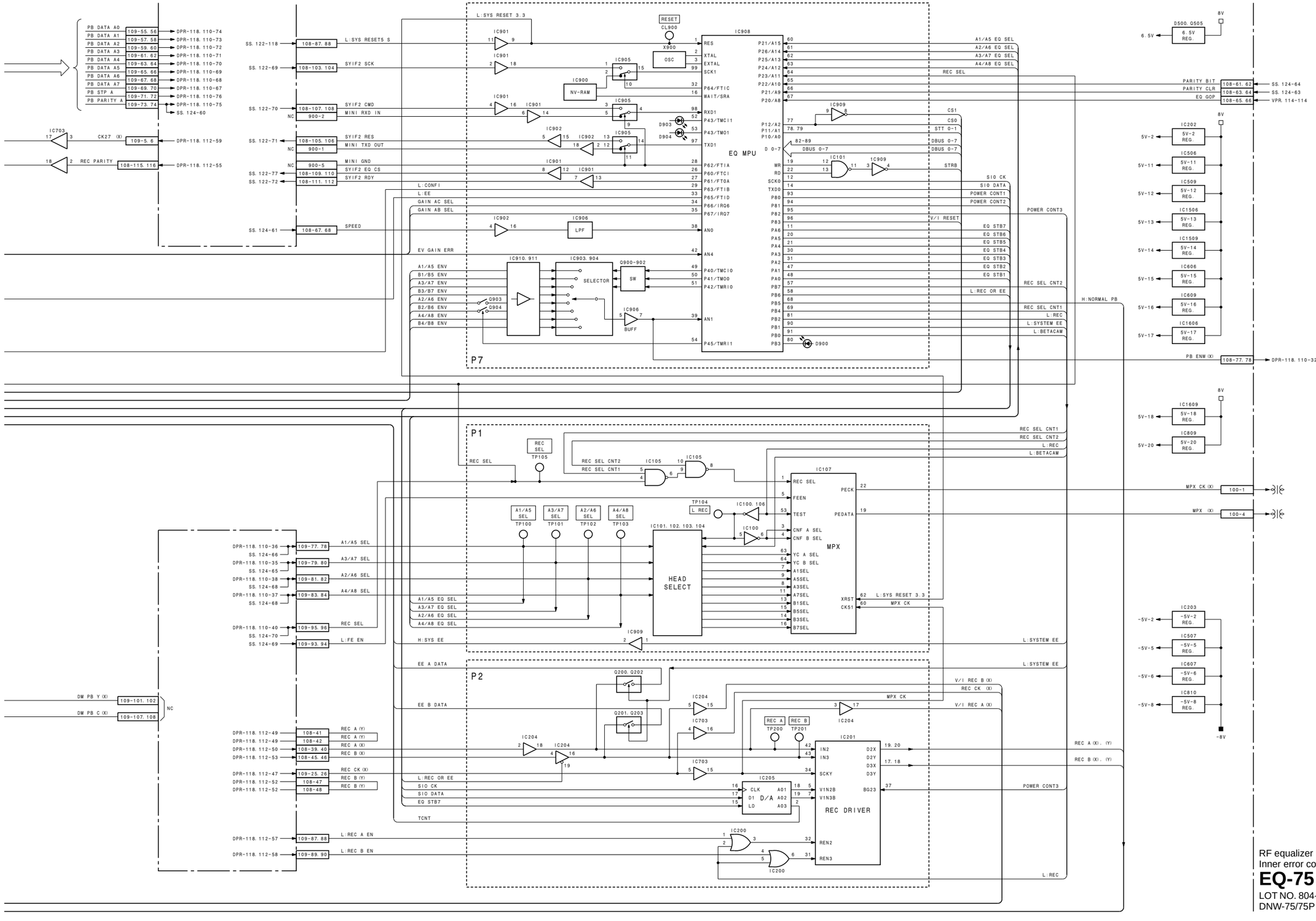
LOT NO. 905-
DNW-65/65P

EQ-75 Block Diagram (DNW-75/75P)



2-34

EQ-75 Block Diagram (DNW-75/75P)

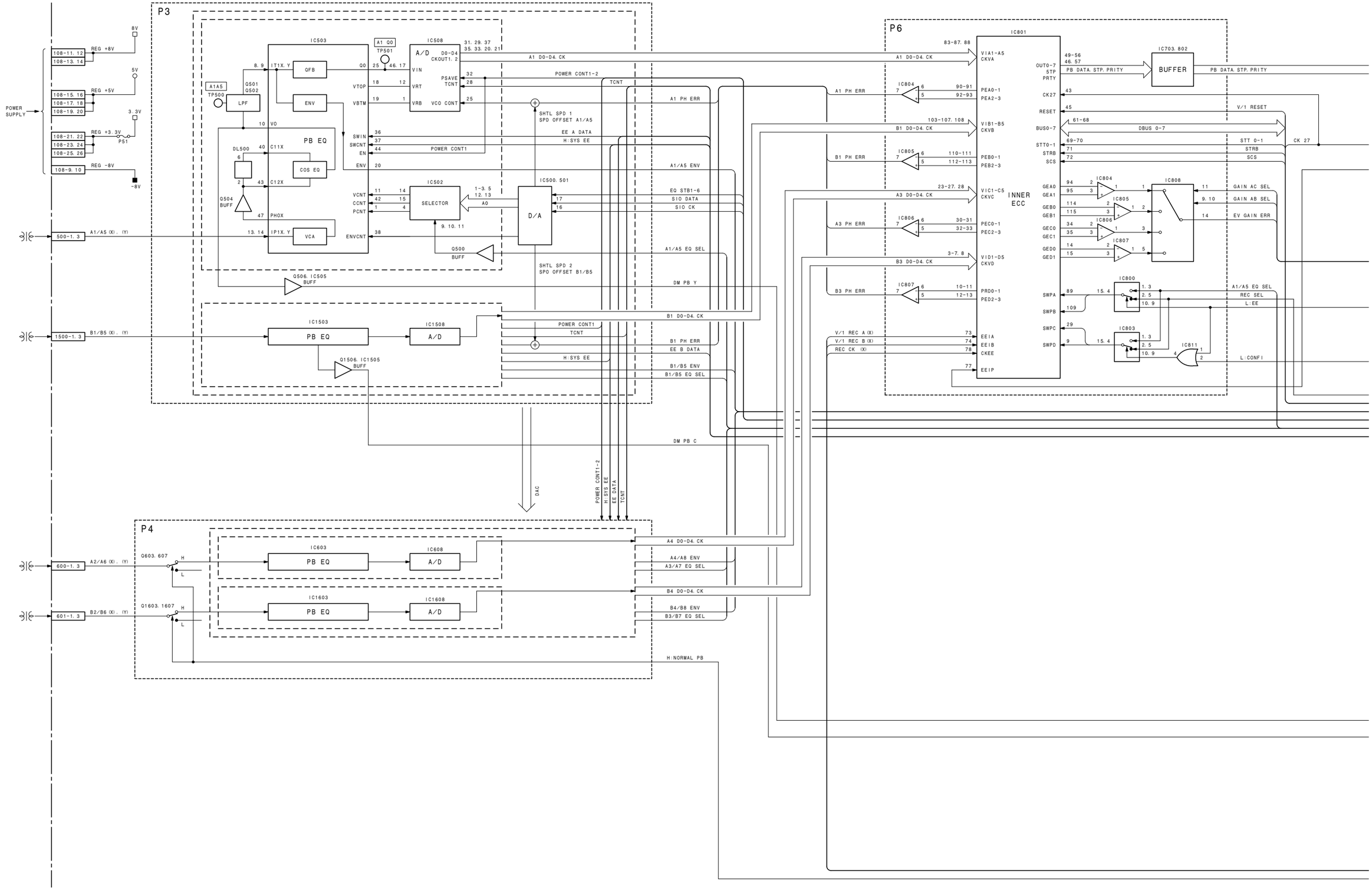


RF equalizer (REC current control, PB EQ, Inner error correction)

EQ-75

LOT NO. 804-
DNW-75/75P

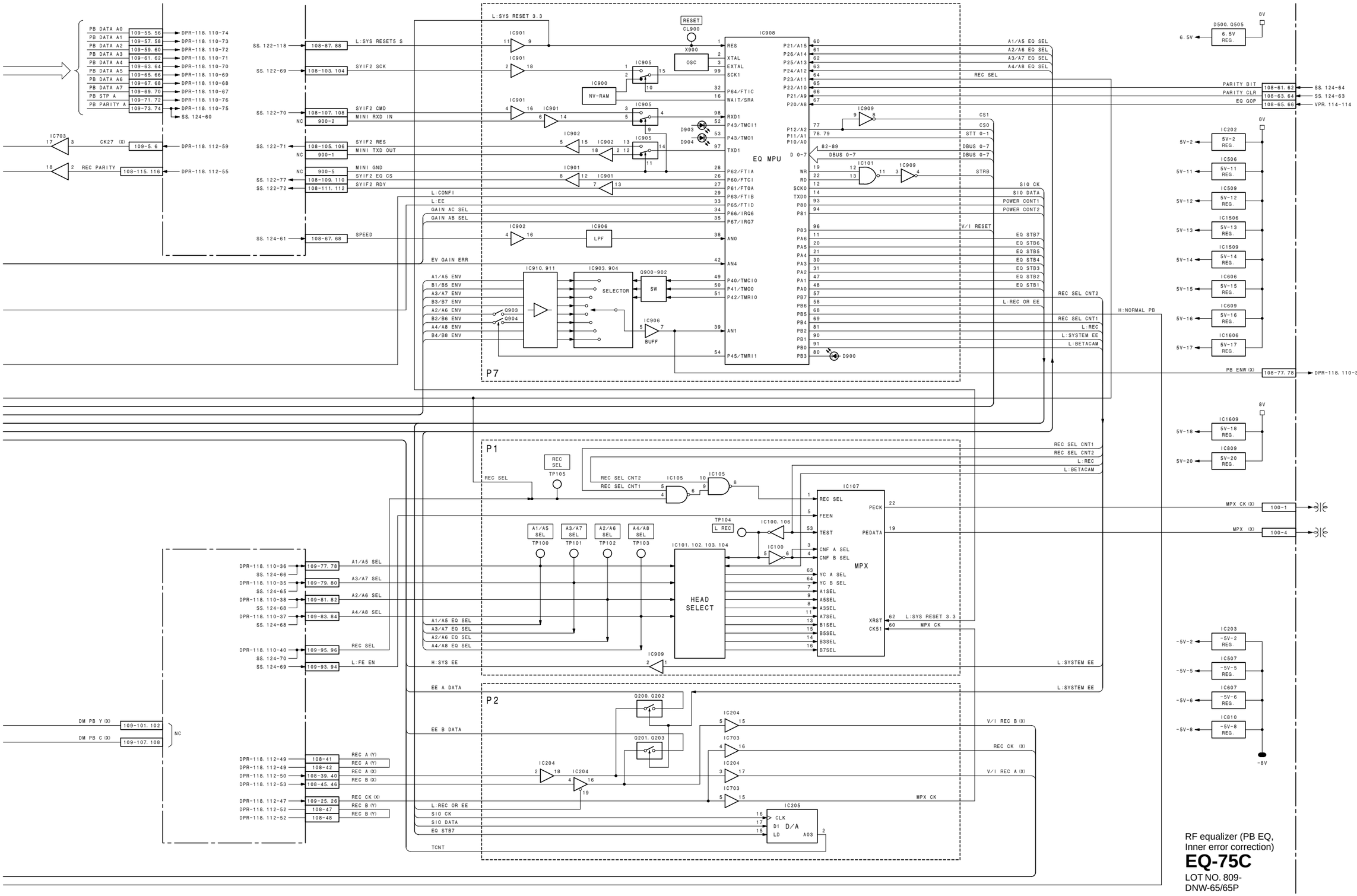
EQ-75C Block Diagram (DNW-65/65P)



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EQ-75C Block Diagram (DNW-65/65P)

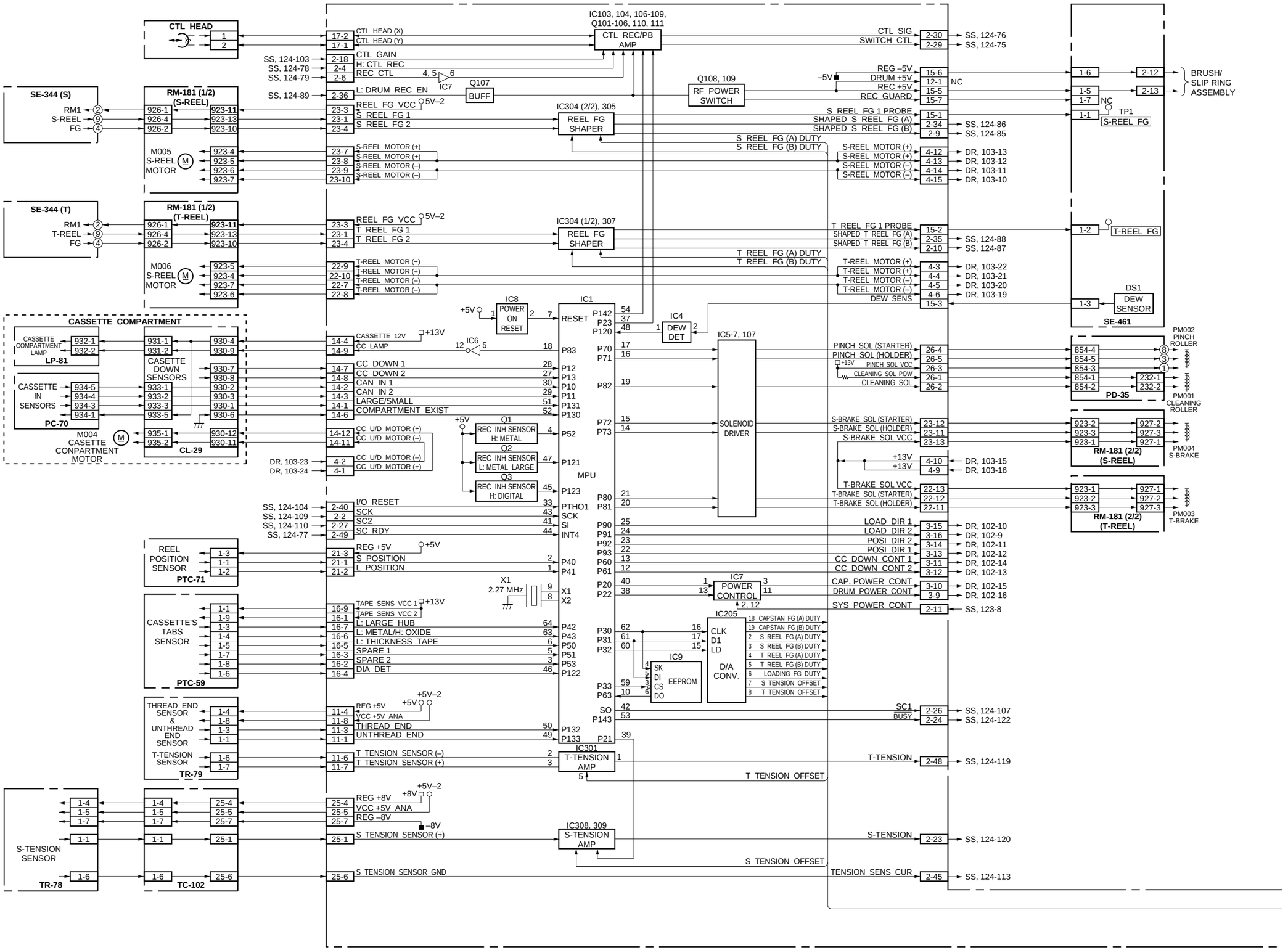


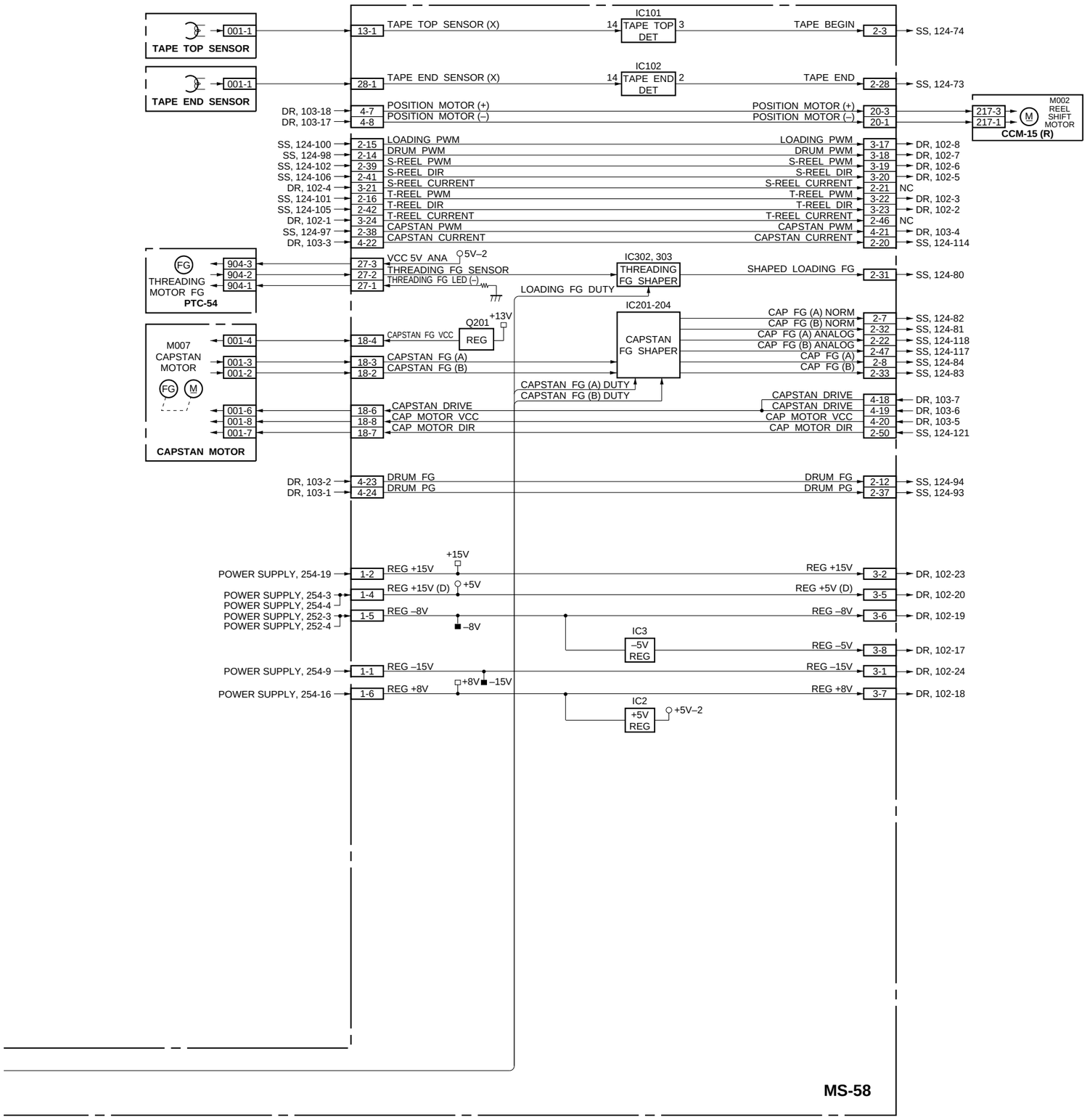
RF equalizer (PB EQ, Inner error correction)

EQ-75C

LOT NO. 809-
DNW-65/65P

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CTL HEAD
SE-344 (S)
RM1
S-REEL
FG
RM-181 (1/2) (S-REEL)
M005 S-REEL MOTOR
SE-344 (T)
RM-181 (1/2) (T-REEL)
M006 S-REEL MOTOR
CASSETTE COMPARTMENT
CASSETTE COMPARTMENT LAMP
LP-81
CASSETTE IN SENSORS
PC-70
M004 CASSETTE CONPARTMENT MOTOR
CASSETTE DOWN SENSORS
CL-29
REEL POSITION SENSOR
PTC-71
CASSETTE'S TABS SENSOR
PTC-59
THREAD END SENSOR & UNTHREAD END SENSOR
T-TENSION SENSOR
TR-79
S-TENSION SENSOR
TR-78
TC-102
IC103, 104, 106-109, Q101-106, 110, 111
CTL REC/PB AMP
IC304 (2/2), 305
IC304 (1/2), 307
REEL FG SHAPER
Q108, 109
RF POWER SWITCH
Q107 BUFF
IC7
IC8 POWER ON RESET
IC4 DEW DET
IC1
MPU
IC5-7, 107
SOLENOID DRIVER
IC205
IC9 EEPROM
D/A CONV.
IC7 POWER CONTROL
IC301 T-TENSION AMP
IC308, 309 S-TENSION AMP
X1 2.27 MHz
Q1 REC INH SENSOR H: METAL
Q2 REC INH SENSOR L: METAL LARGE
Q3 REC INH SENSOR H: DIGITAL
CTL SIG
SWITCH CTL
REG –5V
DRUM +5V
REC +5V
REC GUARD
S REEL FG 1 PROBE
SHAPED S REEL FG (A)
SHAPED S REEL FG (B)
S REEL FG (A) DUTY
S REEL FG (B) DUTY
T REEL FG 1 PROBE
SHAPED T REEL FG (A)
SHAPED T REEL FG (B)
T REEL FG (A) DUTY
T REEL FG (B) DUTY
PINCH SOL (STARTER)
PINCH SOL (HOLDER)
PINCH SOL VCC
CLEANING SOL POW
CLEANING SOL
S-BRAKE SOL (STARTER)
S-BRAKE SOL (HOLDER)
S-BRAKE SOL VCC
T-BRAKE SOL VCC
T-BRAKE SOL (STARTER)
T-BRAKE SOL (HOLDER)
LOAD DIR 1
LOAD DIR 2
POSI DIR 2
POSI DIR 1
CC DOWN CONT 1
CC DOWN CONT 2
CAP. POWER CONT
DRUM POWER CONT
SYS POWER CONT
SC1
BUSY
T-TENSION
S-TENSION
TENSION SENS CUR
DS1 DEW SENSOR
SE-461
PD-35
RM-181 (2/2) (S-REEL)
RM-181 (2/2) (T-REEL)
BRUSH/ SLIP RING ASSEMBLY
S-REEL FG
T-REEL FG
PM002 PINCH ROLLER
PM001 CLEANING ROLLER
PM004 S-BRAKE
PM003 T-BRAKE

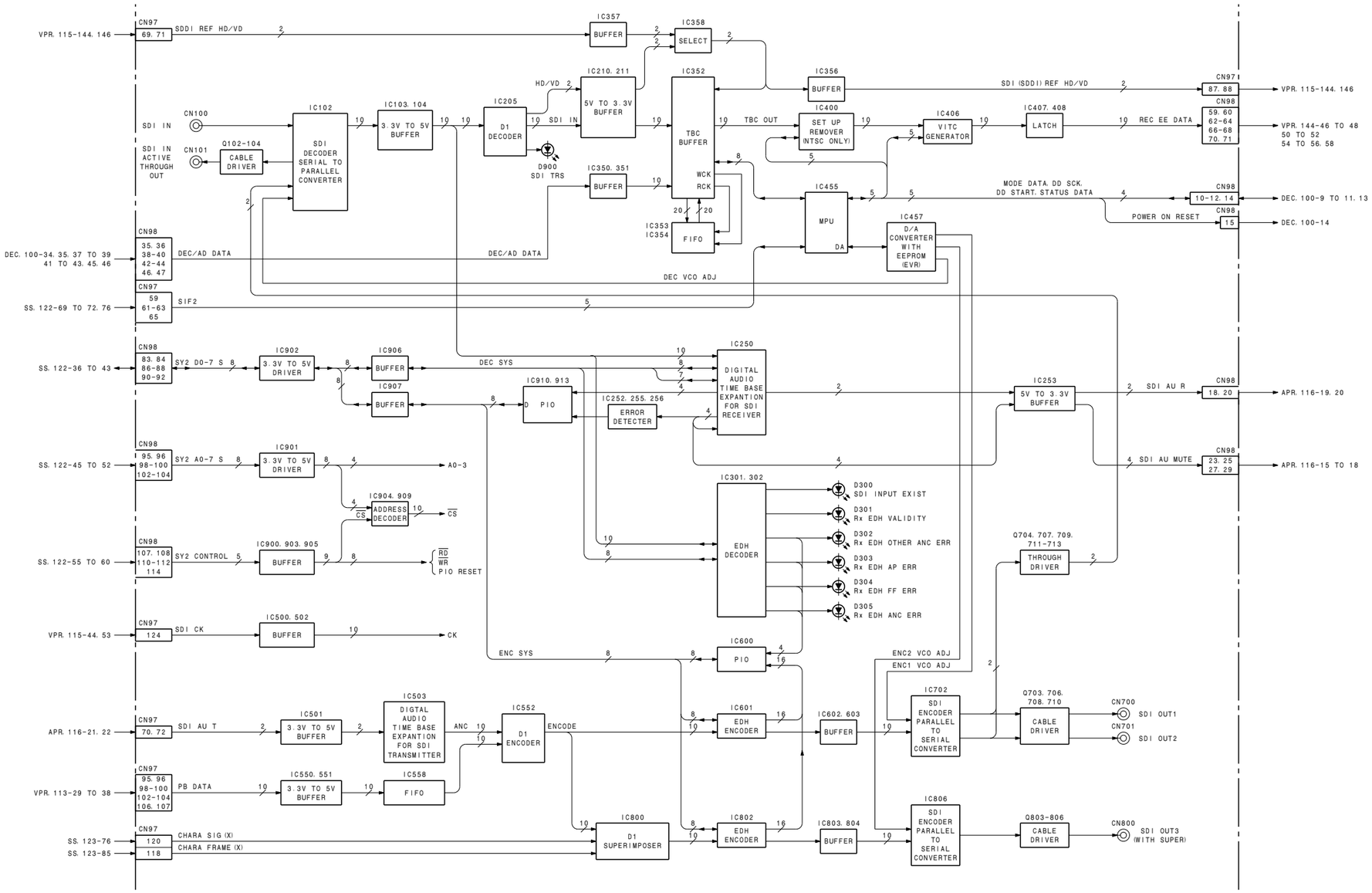


Solenoids driver (Pinch, Brakes, Cleaning), Sensors input

MS-58

LOT NO. 905-

SDI-41 Block Diagram (DNW-75/75P)



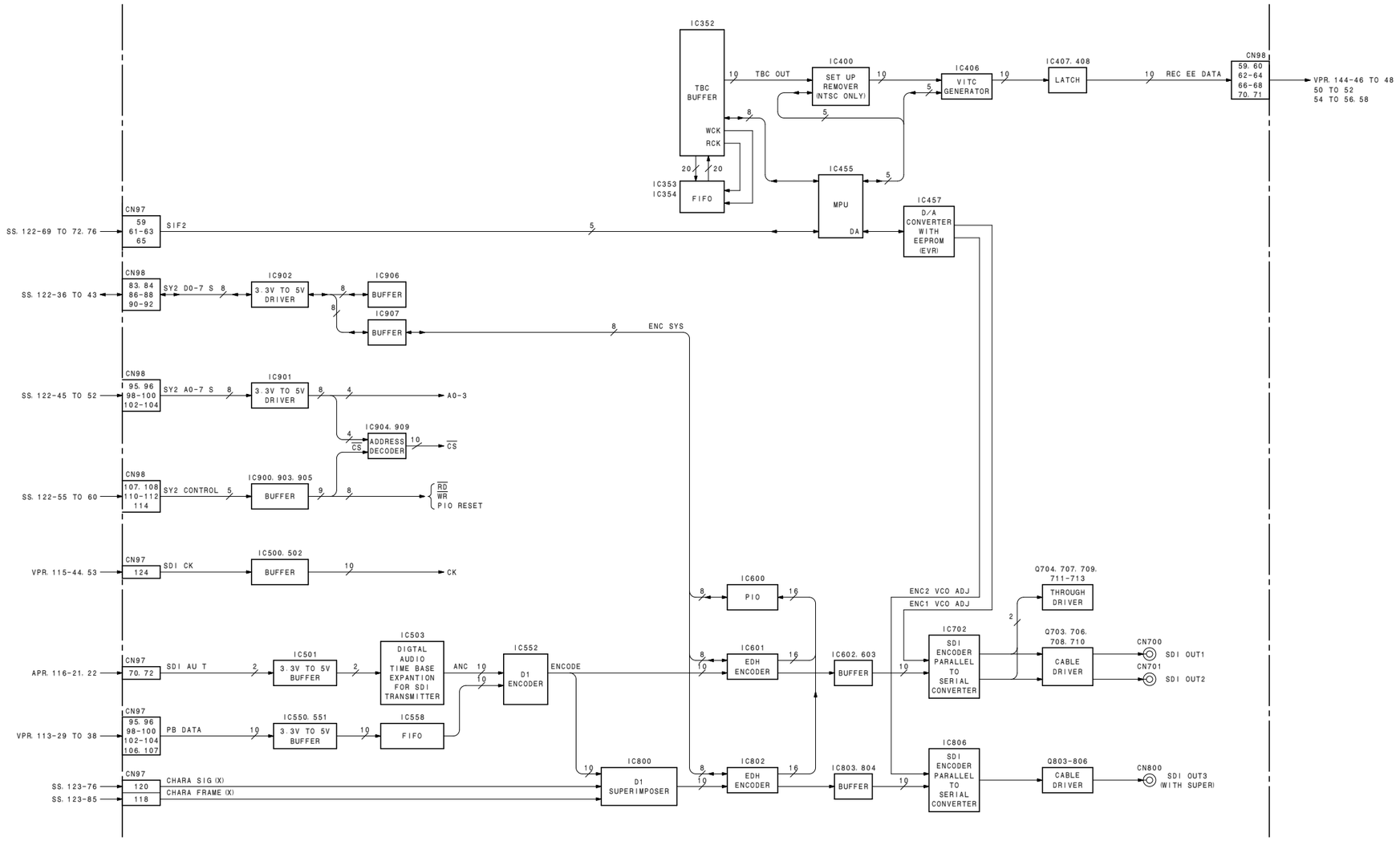
4:2:2 component serial digital interface with Embedded audio

SDI-41

LOT NO. 804-
DNW-75/75P

2-40

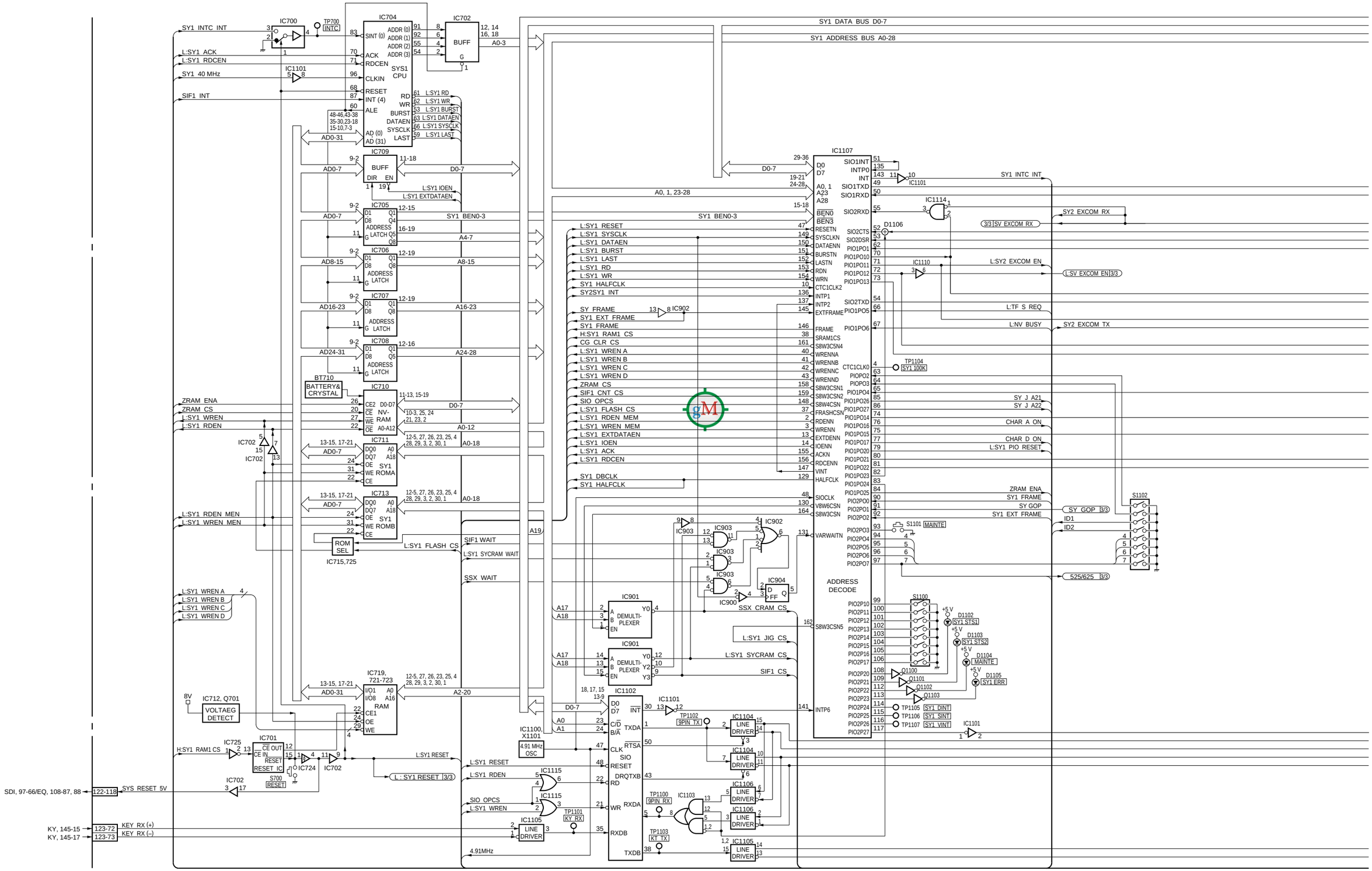
SDI-41C (DNW-65/65P) Block Diagram

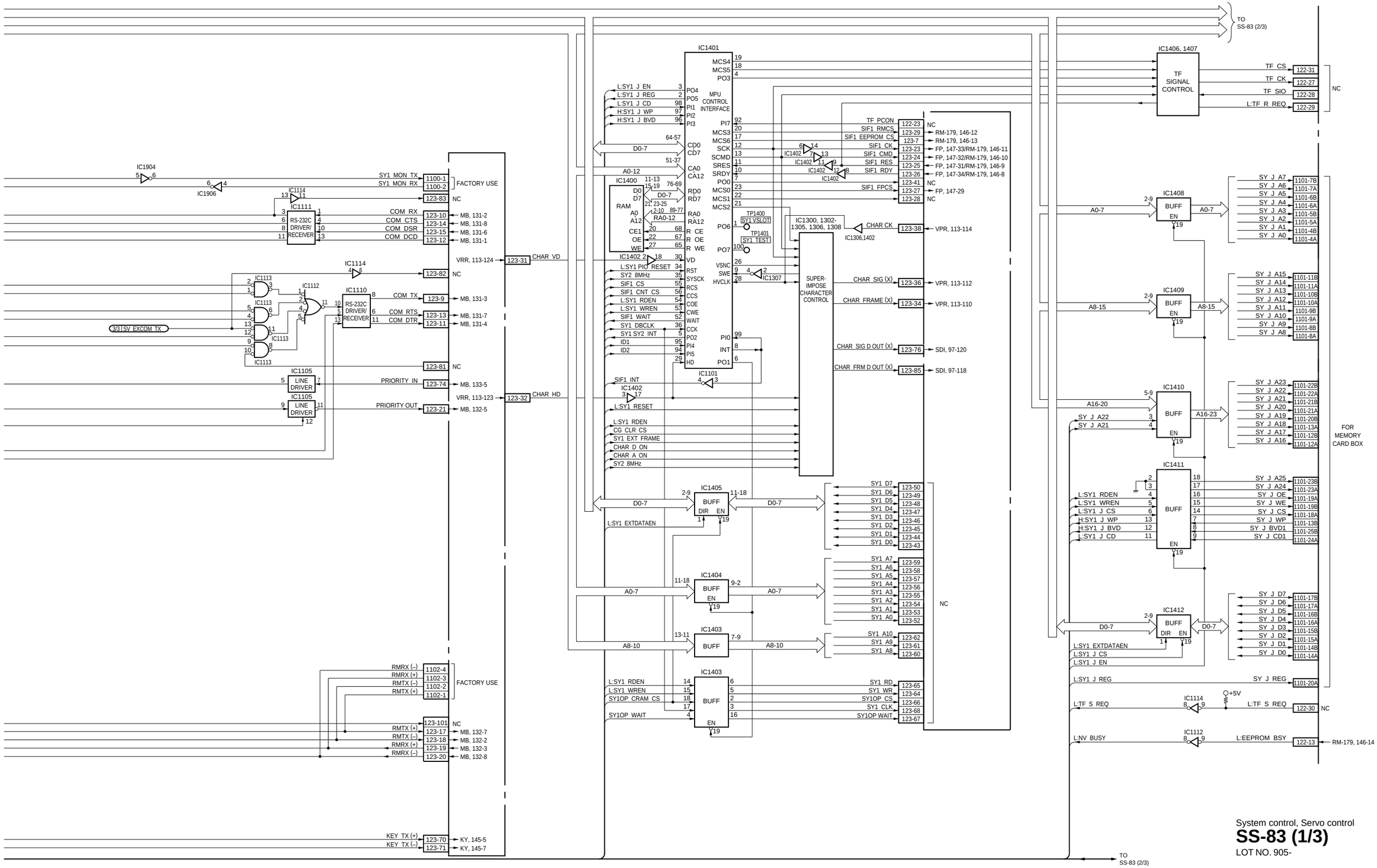


4:2:2 component serial digital output interface with Embedded audio

SDI-41C

LOT NO. 809-
DNW-65/65P

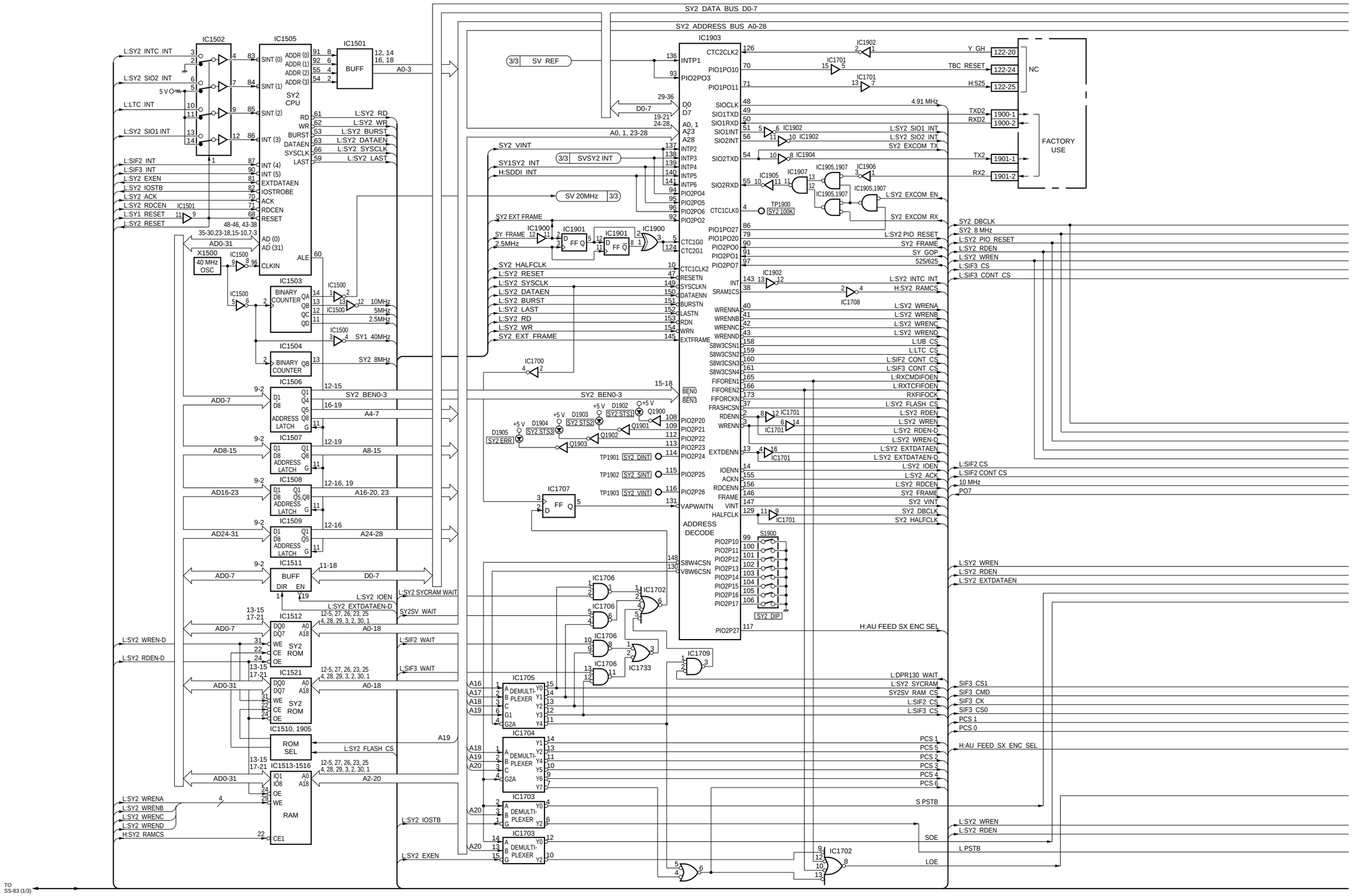

SY1 DATA BUS D0-7
SY1 ADDRESS BUS A0-28
IC704
SY1 CPU
SY1 INTC INT
L:SY1 ACK
L:SY1 RDCEN
SY1 40 MHz
SIF1 INT
IC700
IC1101
TP700 INTC
IC702
BUFF
A0-3
AD0-31
IC709
AD0-7
D0-7
L:SY1 IOEN
L:SY1 EXTDATAEN
IC705
IC706
IC707
IC708
AD8-15
AD16-23
AD24-31
A4-7
A8-15
A16-23
A24-28
SY1 BEN0-3
BT710
BATTERY& CRYSTAL
IC710
IC711
IC713
ZRAM ENA
ZRAM CS
L:SY1 WREN
L:SY1 RDEN
L:SY1 RDEN MEN
L:SY1 WREN MEN
ROM SEL
IC715,725
SIF1 WAIT
L:SY1 FLASH CS
L:SY1 SYCRAM WAIT
SSX WAIT
A19
L:SY1 WREN A
L:SY1 WREN B
L:SY1 WREN C
L:SY1 WREN D
IC719, 721-723
A2-20
8V
IC712, Q701
VOLTAEG DETECT
IC725
IC701
IC724
S700 RESET
H:SY1 RAM1 CS
L:SY1 RESET
L : SY1 RESET 3/3
SDI, 97-66/EQ, 108-87, 88
122-118
SYS RESET 5V
KY, 145-15
KY, 145-17
123-72
123-73
KEY RX (+)
KEY RX (–)
IC1107
L:SY1 RESET
L:SY1 SYSCLK
L:SY1 DATAEN
L:SY1 BURST
L:SY1 LAST
L:SY1 RD
L:SY1 WR
SY1 HALFCLK
SY2SY1 INT
SY FRAME
SY1 EXT FRAME
SY1 FRAME
H:SY1 RAM1 CS
CG CLR CS
L:SY1 WREN A
L:SY1 WREN B
L:SY1 WREN C
L:SY1 WREN D
ZRAM CS
SIF1 CNT CS
SIO OPCS
L:SY1 FLASH CS
L:SY1 RDEN MEM
L:SY1 WREN MEM
L:SY1 EXTDATAEN
L:SY1 IOEN
L:SY1 ACK
L:SY1 RDCEN
SY1 DBCLK
SY1 HALFCLK
IC902
IC903
IC904
IC900
IC901
DEMULTI-PLEXER
SSX CRAM CS
L:SY1 JIG CS
L:SY1 SYCRAM CS
SIF1 CS
IC1102
SIO
IC1100, X1101
4.91 MHz OSC
4.91MHz
IC1101
IC1104
IC1106
IC1105
IC1115
IC1103
TP1102 9PIN TX
TP1100 9PIN RX
TP1101 KY RX
TP1103 KT TX
LINE DRIVER
SIO1INT
SIO1TXD
SIO1RXD
SIO2RXD
SIO2TXD
SIO2CTS
SIO2DSR
ADDRESS DECODE
S8W3CSN5
INTP6
IC1110
IC1114
D1106
SY1 INTC INT
SY2 EXCOM RX
3/3 SV EXCOM RX
L:SY2 EXCOM EN
L:SV EXCOM EN 3/3
L:TF S REQ
L:NV BUSY
SY2 EXCOM TX
TP1104 SY1 100K
SY J A21
SY J A22
CHAR A ON
CHAR D ON
L:SY1 PIO RESET
ZRAM ENA
SY1 FRAME
SY GOP
SY1 EXT FRAME
SY GOP 3/3
S1101 MAINTE
S1102
ID1
ID2
525/625 3/3
S1100
D1102 SY1 STS1
D1103 SY1 STS2
D1104 MAINTE
D1105 SY1 ERR
Q1100
Q1101
Q1102
Q1103
TP1105 SY1 DINT
TP1106 SY1 SINT
TP1107 SY1 VINT

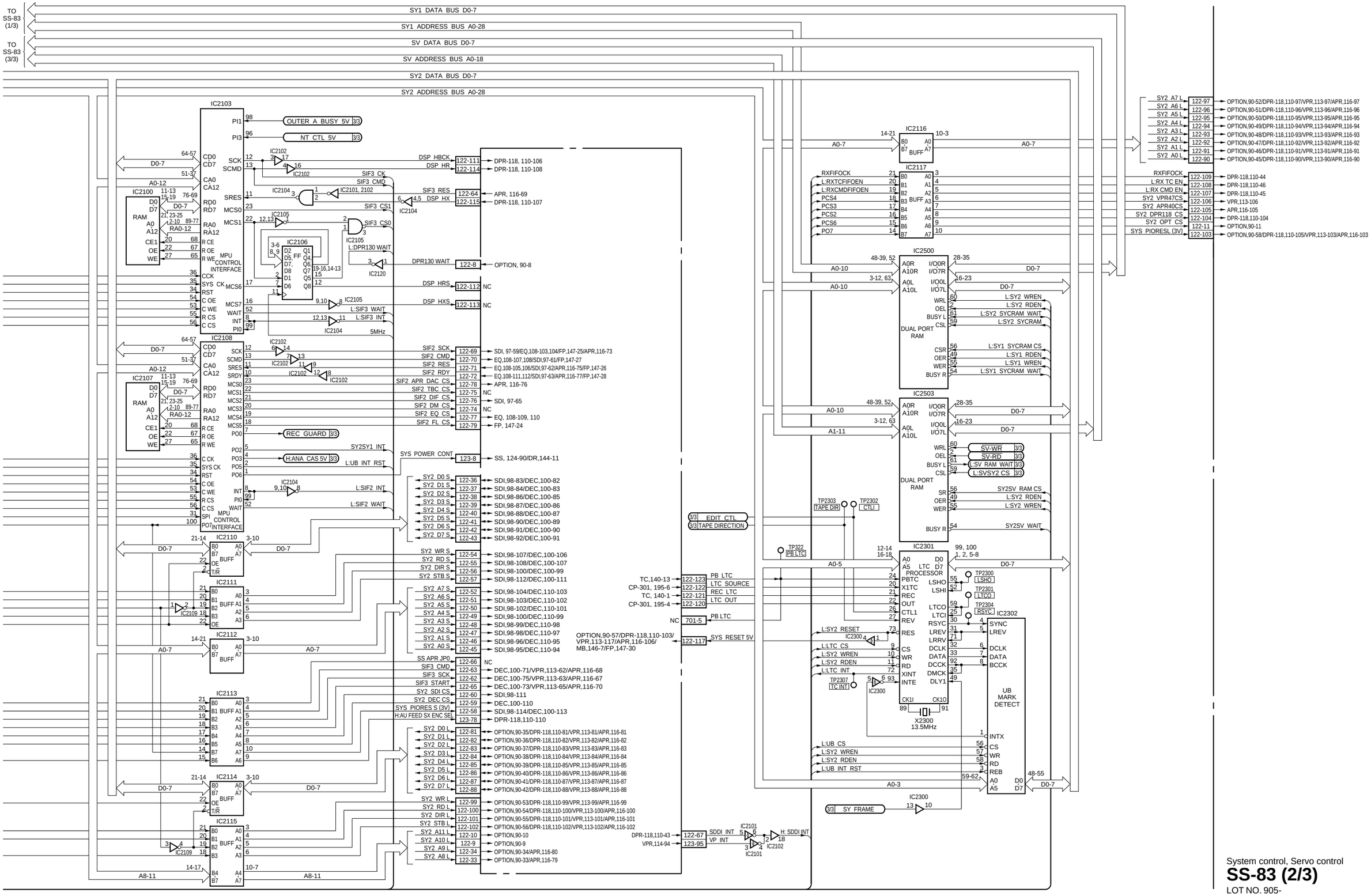


System control, Servo control

SS-83 (1/3)

LOT NO. 905-


SY2 DATA BUS D0-7
SY2 ADDRESS BUS A0-28
IC1502
IC1505
IC1501
BUFF
A0-3
SY2 CPU
L:SY2 INTC INT
L:SY2 SIO2 INT
L:LTC INT
L:SY2 SIO1 INT
L:SIF2 INT
L:SIF3 INT
L:SY2 EXEN
L:SY2 IOSTB
L:SY2 ACK
L:SY2 RDCEN
L:SY1 RESET
L:SY2 RESET
5 V
SINT (0)
SINT (1)
SINT (2)
INT (3)
INT (4)
INT (5)
EXTDATAEN
IOSTROBE
ACK
RDCEN
RESET
ADDR (0)
ADDR (1)
ADDR (2)
ADDR (3)
RD
WR
BURST
DATAEN
SYSCLK
LAST
ALE
L:SY2_RD
L:SY2_WR
L:SY2_BURST
L:SY2_DATAEN
L:SY2_SYSCLK
L:SY2_LAST
48-46, 43-38
35-30,23-18,15-10,7-3
AD0-31
AD (0)
AD (31)
CLKIN
X1500
40 MHz OSC
IC1503
BINARY COUNTER
QA
QB
QC
QD
10MHz
5MHz
2.5MHz
SY1 40MHz
IC1504
SY2 8MHz
IC1506
IC1507
IC1508
IC1509
IC1511
IC1512
IC1521
IC1510, 1905
ROM SEL
L:SY2_FLASH_CS
IC1513-1516
RAM
CE1
L:SY2_WRENA
L:SY2_WRENB
L:SY2_WRENC
L:SY2_WREND
H:SY2_RAMCS
L:SY2_WREN-D
L:SY2_RDEN-D
AD0-7
AD8-15
AD16-23
AD24-31
A0-18
A2-20
A4-7
A8-15
A16-20, 23
A24-28
D0-7
BUFF
DIR EN
L:SY2_IOEN
L:SY2_EXTDATAEN-D
L:SY2 SYCRAM WAIT
SY2SV WAIT
L:SIF2 WAIT
L:SIF3 WAIT
SY2 ROM
A19
L:SY2_IOSTB
L:SY2_EXEN
IC1903
INTP1
PIO2PO3
D0
D7
A0, 1
A23
A28
INTP2
INTP3
INTP4
INTP5
INTP6
PIO2P04
PIO2P05
PIO2P06
PIO2P02
CTC2CLK2
PIO1PO10
PIO1PO11
SIOCLK
SIO1TXD
SIO1RXD
SIO1INT
SIO2INT
SIO2TXD
SIO2RXD
CTC1CLK0
PIO1PO27
PIO1PO20
PIO2PO0
PIO2PO1
PIO2PO7
CTC1CLK2
RESETN
SYSCKN
DATAENN
BURSTN
LASTN
RDN
WRN
EXTFRAME
PIO2P20
PIO2P21
PIO2P22
PIO2P23
PIO2P24
PIO2P25
PIO2P26
VAPWAITN
VINT
HALFCLK
EXTDENN
IOENN
ACKN
RDCENN
FRAME
INT
SRAM1CS
WRENNA
WRENNB
WRENNC
WRENND
S8W3CSN1
S8W3CSN2
S8W3CSN3
S8W3CSN4
FIFOREN1
FIFOREN2
FIFORCKN
FRASHCSN
RDENN
WRENN
S8W4CSN
V8W6CSN
PIO2P10
PIO2P11
PIO2P12
PIO2P13
PIO2P14
PIO2P15
PIO2P16
PIO2P17
PIO2P27
ADDRESS DECODE
S1900
SY2_DIP
SY2 VINT
SY1SY2 INT
H:SDDI INT
SY2 EXT FRAME
SY_FRAME
2.5MHz
SY2 HALFCLK
L:SY2 RESET
L:SY2 SYSCLK
L:SY2 DATAEN
L:SY2 BURST
L:SY2 LAST
L:SY2 RD
L:SY2 WR
SY2 EXT FRAME
3/3 SV REF
3/3 SVSY2 INT
SV 20MHz 3/3
D0-7
A0, 1, 23-28
15-18
SY2 BEN0-3
BEN0
BEN3
SY2 STS1
SY2 STS2
SY2 STS3
SY2 ERR
SY2 DINT
SY2 SINT
SY2 VINT
TP1901
TP1902
TP1903
IC1707
FF
IC1705
IC1704
IC1703
DEMULTI-PLEXER
IC1706
IC1702
IC1709
IC1733
IC1700
IC1901
IC1900
FF Q
IC1902
IC1701
IC1904
IC1905
IC1907
IC1905,1907
IC1906
IC1708
TP1900
SY2 100K
Y GH
TBC RESET
H:525
4.91 MHz
TXD2
RXD2
TX2
RX2
NC
FACTORY USE
122-20
122-24
122-25
1900-1
1900-2
1901-1
1901-2
SY2 EXCOM TX
SY2 EXCOM RX
SY2 EXCOM EN
L:SY2 PIO RESET
SY2 FRAME
SY GOP
525/625
L:SY2 INTC INT
H:SY2 RAMCS
L:SY2 WRENA
L:SY2 WRENB
L:SY2 WRENC
L:SY2 WREND
L:UB CS
L:LTC CS
L:SIF2 CONT CS
L:SIF3 CONT CS
L:RXCMDIFOEN
L:RXTCFIFOEN
RXFIFOCK
L:SY2 FLASH CS
L:SY2 RDEN
L:SY2 WREN
L:SY2 RDEN-D
L:SY2 WREN-D
L:SY2 EXTDATAEN-D
L:SY2 IOEN
L:SY2 ACK
L:SY2 RDCEN
SY2 FRAME
SY2 VINT
SY2 DBCLK
SY2 HALFCLK
H:AU FEED SX ENC SEL
L:DPR130 WAIT
L:SY2 SYCRAM
SY2SV RAM CS
L:SIF2 CS
L:SIF3 CS
PCS 1
PCS 5
PCS 2
PCS 3
PCS 4
PCS 6
S PSTB
L PSTB
SOE
LOE
SY2_DBCLK
SY2 8 MHz
L:SY2_PIO_RESET
L:SY2_RDEN
L:SY2_WREN
L:SIF3_CS
L:SIF3_CONT_CS
L:SIF2 CS
L:SIF2 CONT CS
10 MHz
PO7
SIF3_CS1
SIF3_CMD
SIF3_CK
SIF3_CS0
PCS 1
PCS 0
H:AU_FEED_SX_ENC_SEL
TO SS-83 (1/3)

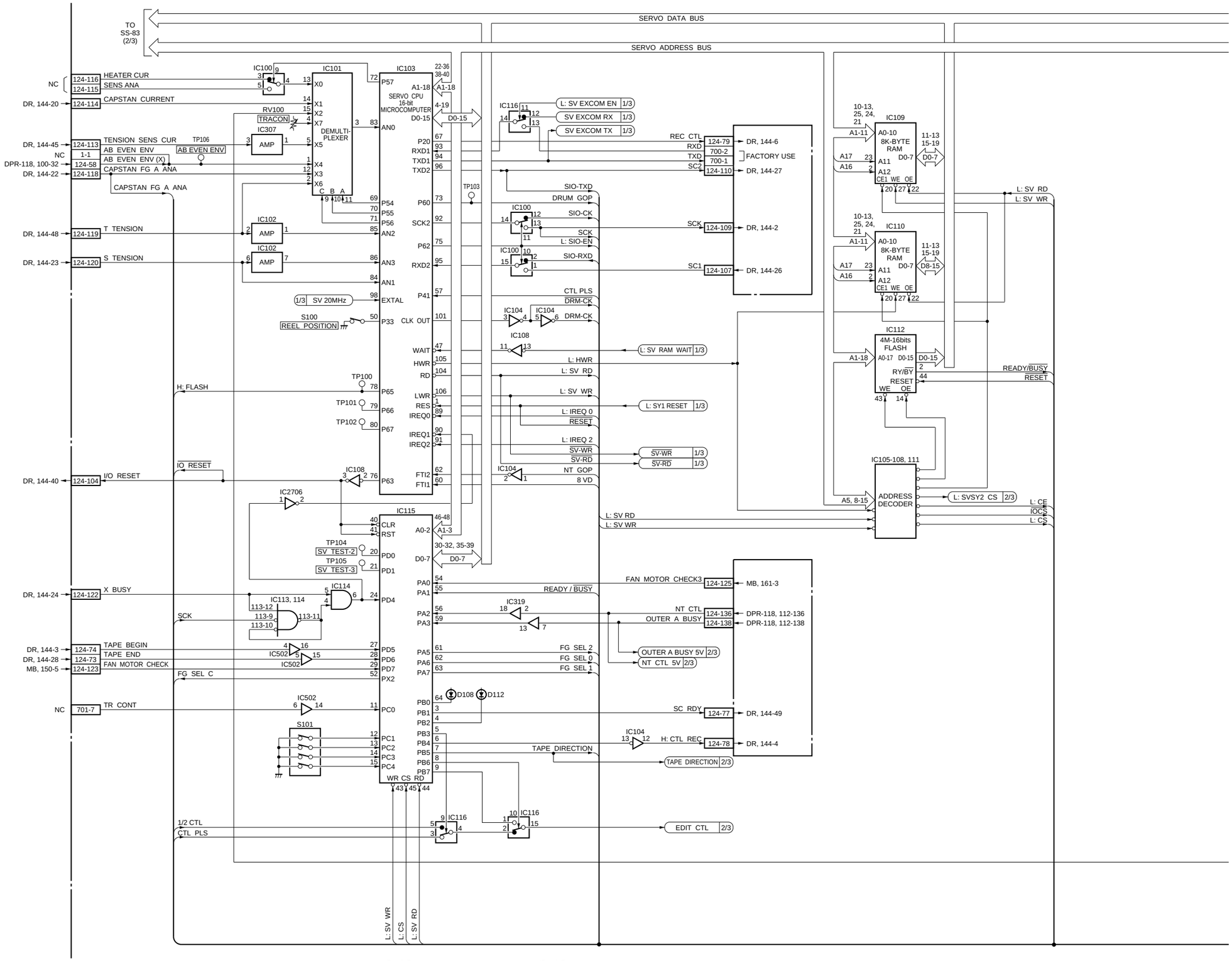


System control, Servo control

SS-83 (2/3)

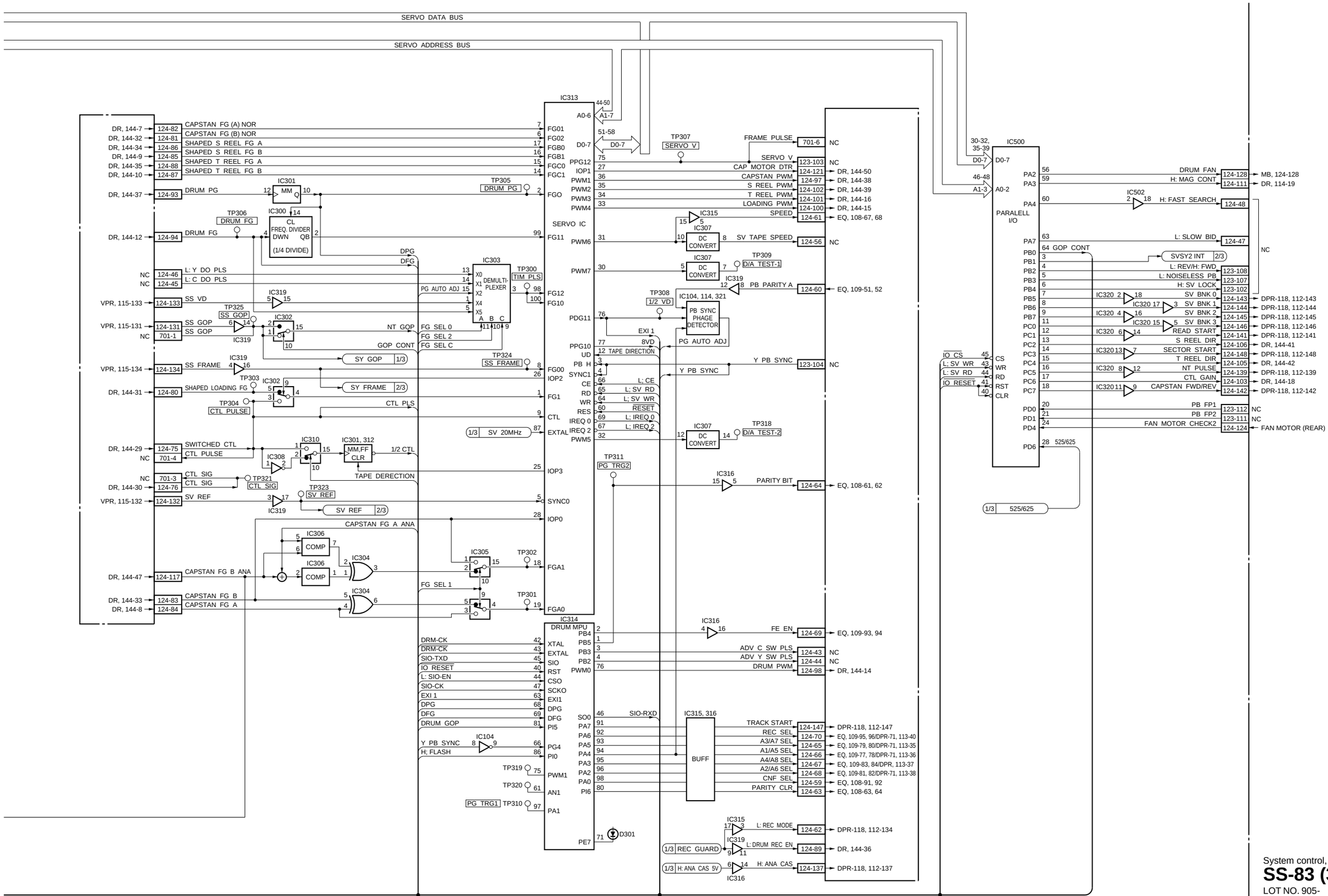
LOT NO. 905-

SS-83 (3/3) Block Diagram



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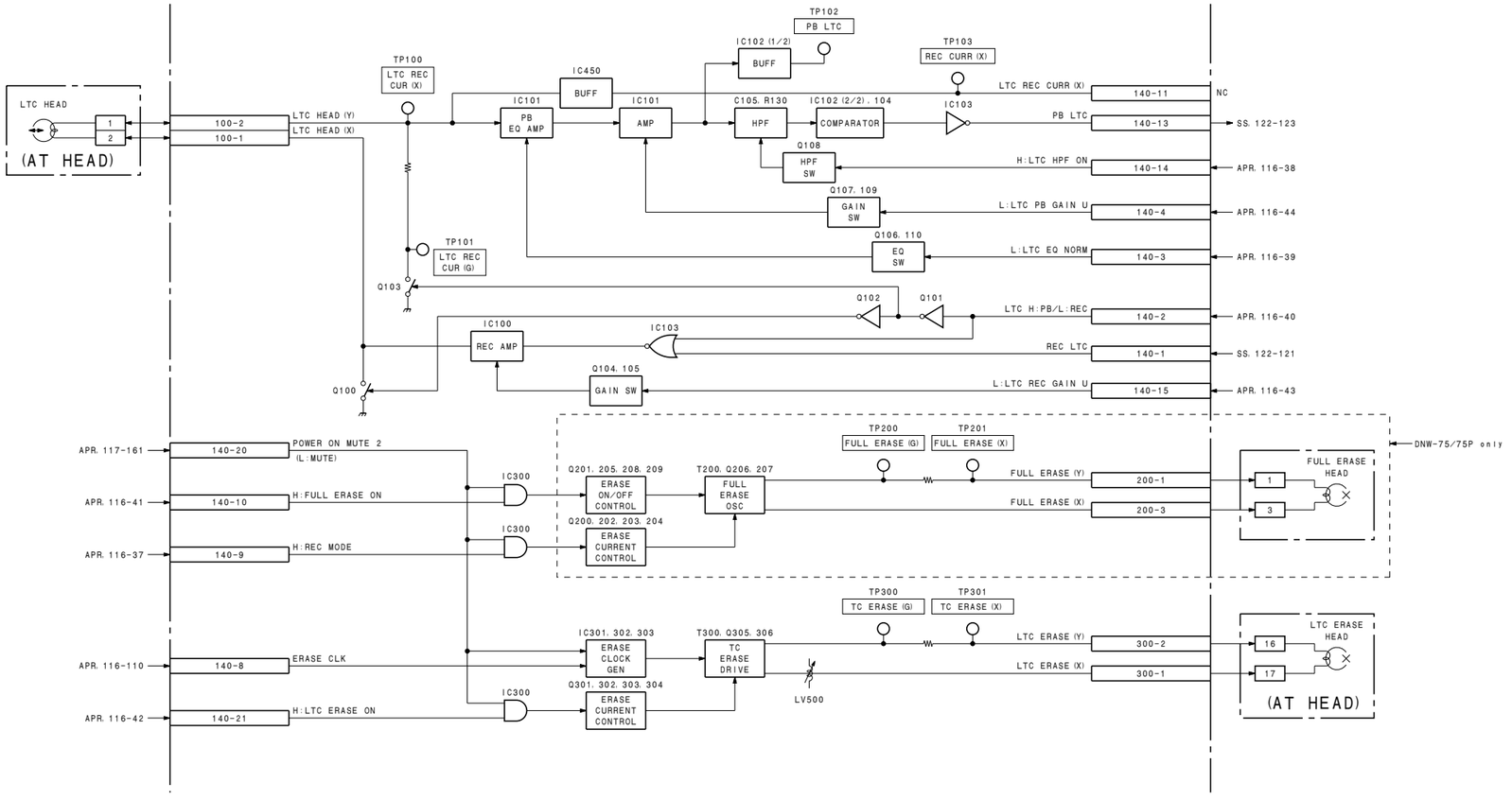


System control, Servo control

SS-83 (3/3)

LOT NO. 905-

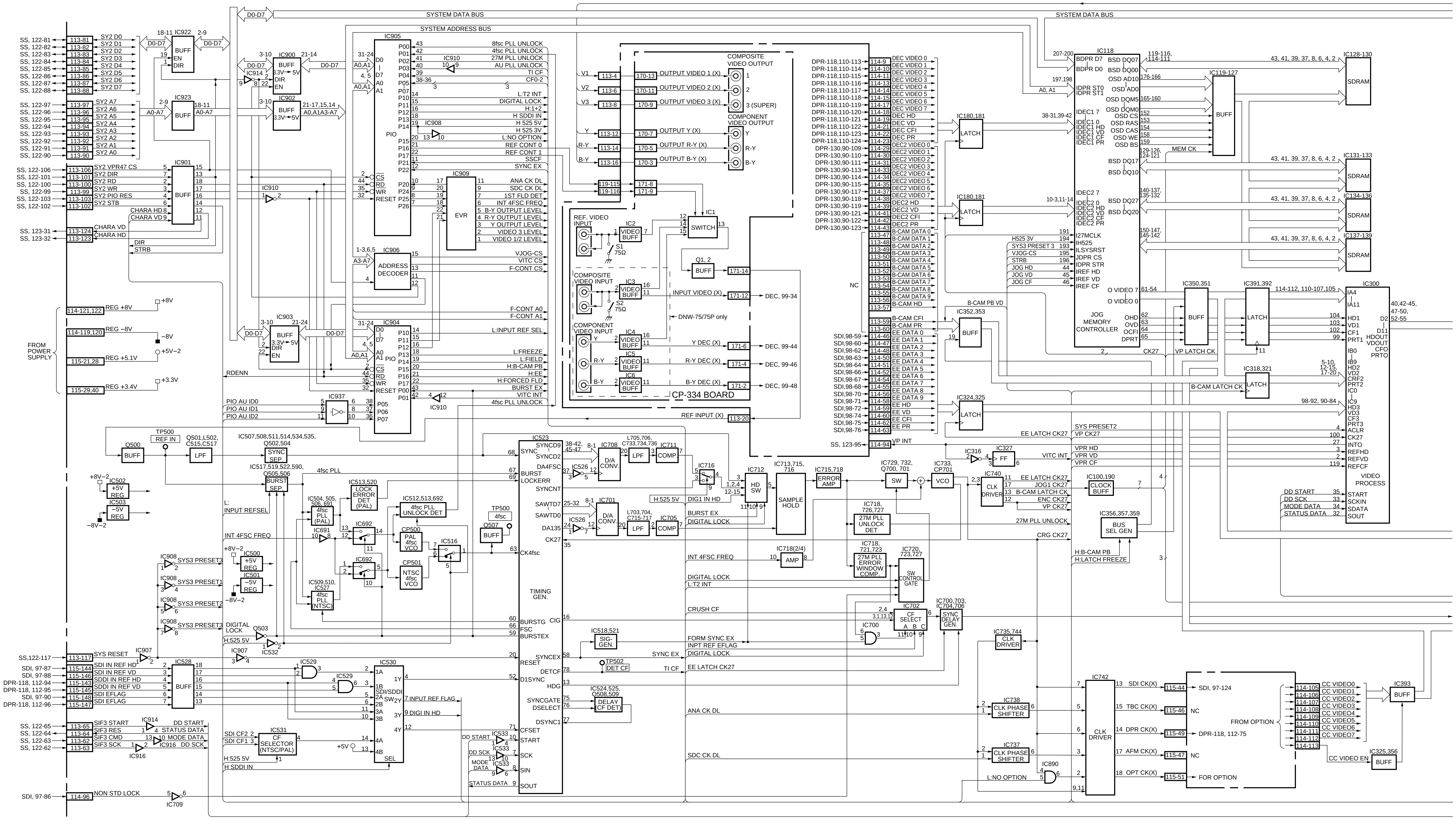
TC-102 Block Diagram

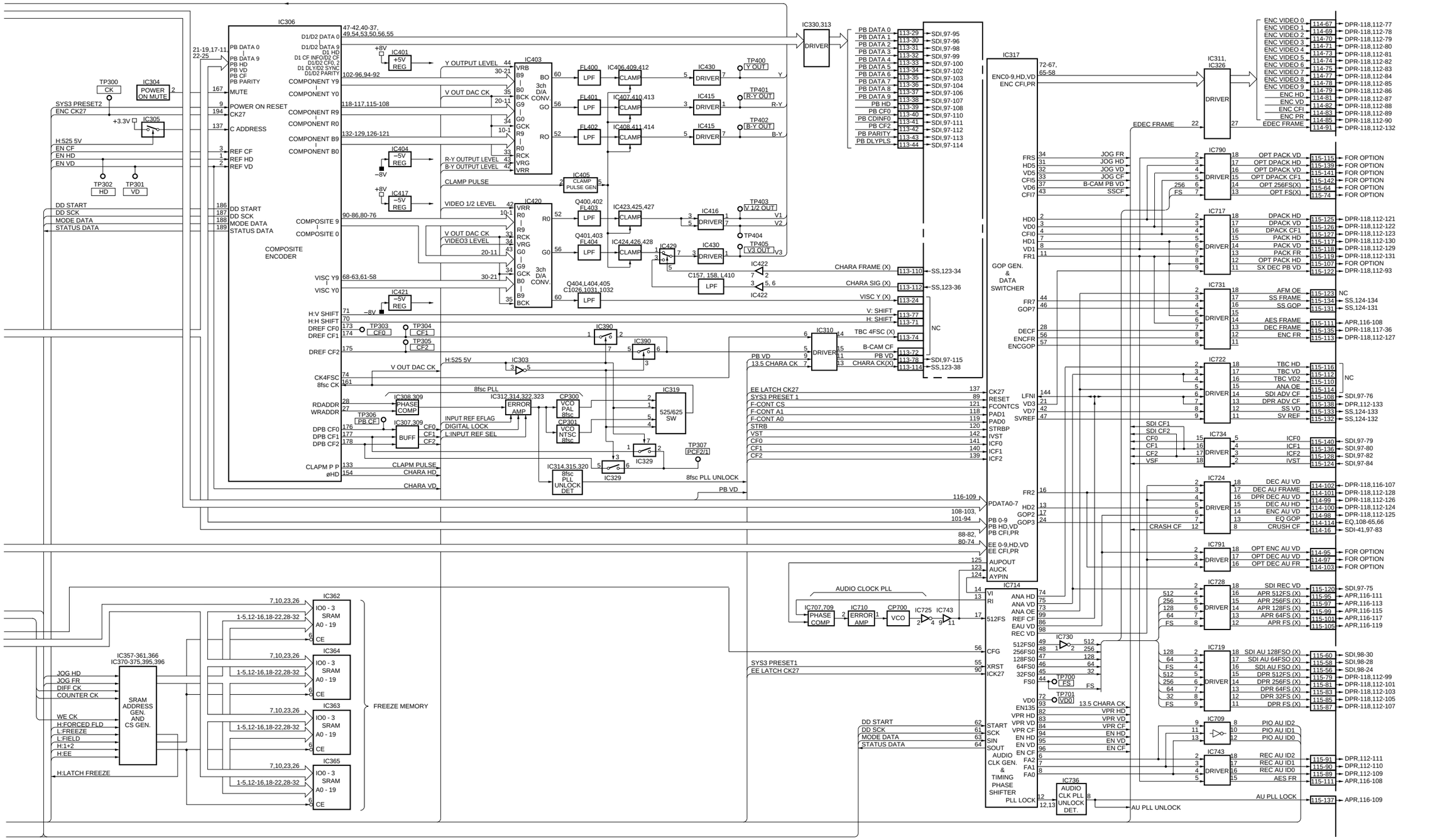


TC PB circuit, Shot-mark REC circuit,
TC erase OSC
TC-102
LOT NO. 809-
DNW-65/65P

TC REC/PB circuit, TC/FULL erase OSC
TC-102
LOT NO. 804-
DNW-75/75P

2-49


SYSTEM DATA BUS
SYSTEM ADDRESS BUS
D0-D7
A0-A7
IC922 BUFF
IC923 BUFF
IC900 BUFF 3.3V→5V
IC902 BUFF 3.3V→5V
IC901 BUFF
IC903 BUFF 3.3V→5V
IC905 PIO
IC904 PIO
IC906 ADDRESS DECODER
IC909 EVR
IC937
IC910
IC914
IC908
SY2 D0
SY2 D1
SY2 D2
SY2 D3
SY2 D4
SY2 D5
SY2 D6
SY2 D7
SY2 A7
SY2 A6
SY2 A5
SY2 A4
SY2 A3
SY2 A2
SY2 A1
SY2 A0
SY2 VPR47 CS
SY2 DIR
SY2 RD
SY2 WR
SY2 PIO RES
SY2 STB
CHARA HD
CHARA VD
DIR
STRB
FROM POWER SUPPLY
REG +8V
REG −8V
REG +5.1V
REG +3.4V
RDENN
PIO AU ID0
PIO AU ID1
PIO AU ID2
8fsc PLL UNLOCK
4fsc PLL UNLOCK
27M PLL UNLOCK
AU PLL UNLOCK
TI CF
CF0-2
L:T2 INT
DIGITAL LOCK
H:1+2
H SDDI IN
H 525 5V
H 525 3V
L:NO OPTION
REF CONT 0
REF CONT 1
SSCF
SYNC EX
ANA CK DL
SDC CK DL
1ST FLD DET
INT 4FSC FREQ
B-Y OUTPUT LEVEL
R-Y OUTPUT LEVEL
Y OUTPUT LEVEL
VIDEO 3 LEVEL
VIDEO 1/2 LEVEL
VJOG-CS
VITC CS
F-CONT CS
F-CONT A0
F-CONT A1
L:INPUT REF SEL
L:FREEZE
L:FIELD
H:B-CAM PB
H:EE
H:FORCED FLD
BURST EX
VITC INT
COMPOSITE VIDEO OUTPUT
OUTPUT VIDEO 1 (X)
OUTPUT VIDEO 2 (X)
OUTPUT VIDEO 3 (X)
3 (SUPER)
COMPONENT VIDEO OUTPUT
OUTPUT Y (X)
OUTPUT R-Y (X)
OUTPUT B-Y (X)
REF. VIDEO INPUT
IC2 VIDEO BUFF
IC1 SWITCH
Q1, 2 BUFF
COMPOSITE VIDEO INPUT
IC3 VIDEO BUFF
INPUT VIDEO (X)
DEC, 99-34
DNW-75/75P only
COMPONENT VIDEO INPUT
IC4 VIDEO BUFF
IC5 VIDEO BUFF
IC6 VIDEO BUFF
Y DEC (X)
R-Y DEC (X)
B-Y DEC (X)
DEC, 99-44
DEC, 99-46
DEC, 99-48
CP-334 BOARD
REF INPUT (X)
DEC VIDEO 0
DEC VIDEO 7
DEC HD
DEC VD
DEC CFI
DEC PR
DEC2 VIDEO 0
DEC2 VIDEO 7
DEC2 HD
DEC2 VD
DEC2 CFI
DEC2 PR
B-CAM DATA 0
B-CAM DATA 9
B-CAM HD
B-CAM CFI
B-CAM PR
EE DATA 0
EE DATA 9
EE HD
EE VD
EE CFI
EE PR
VP INT
IC180,181 LATCH
IC352,353 BUFF
IC324,325 LATCH
IC118 JOG MEMORY CONTROLLER
IC119-127 BUFF
IC128-130 SDRAM
IC131-133 SDRAM
IC134-136 SDRAM
IC137-139 SDRAM
MEM CK
IC350,351 BUFF
IC391,392 LATCH
IC318,321 LATCH
B-CAM LATCH CK
VP LATCH CK
IC300 VIDEO PROCESS
SYS PRESET2
VP CK27
VPR HD
VPR VD
VPR CF
EE LATCH CK27
IC316
IC327 FF
IC100,190 CLOCK BUFF
IC356,357,359 BUS SEL GEN
H:B-CAM PB
H:LATCH FREEZE
DD START
DD SCK
MODE DATA
STATUS DATA
Q500 BUFF
TP500 REF IN
Q501,L502, C515,C517 LPF
IC507,508,511,514,534,535, Q502,504 SYNC SEP.
IC517,519,522,590, Q505,506 BURST SEP.
4fsc PLL
IC502 +5V REG
IC503 −5V REG
IC513,520 LOCK ERROR DET (PAL)
IC504, 505, 506, 691 4fsc PLL (PAL)
IC512,513,692 4fsc PLL UNLOCK DET
IC692
IC691
CP500 PAL 4fsc VCO
CP501 NTSC 4fsc VCO
IC516
IC509,510, IC527 4fsc PLL (NTSC)
TP500 4fsc
Q507 BUFF
IC500 +5V REG
IC501 −5V REG
SYS3 PRESET3
SYS3 PRESET1
SYS3 PRESET2
DIGITAL LOCK
Q503
IC532
SYS RESET
IC907
IC528 BUFF
SDI IN REF HD
SDI IN REF VD
SDDI IN REF HD
SDDI IN REF VD
SDI EFLAG
IC529
IC530 SDI/SDDI SW
INPUT REF FLAG
DIGI IN HD
IC531 CF SELECTOR (NTSC/PAL)
SDI CF2
SDI CF1
H:525 5V
H SDDI IN
SIF3 START
SIF3 RES
SIF3 CMD
SIF3 SCK
IC914
IC916
NON STD LOCK
IC709
IC523 TIMING GEN.
IC526
IC708 D/A CONV.
L705,706, C733,734,736 LPF
IC711 COMP.
IC701 D/A CONV.
L703,704, C715-717 LPF
IC705 COMP.
IC716
IC712 HD SW
IC713,715, 716 SAMPLE HOLD
IC715,718 ERROR AMP
IC729, 732, Q700, 701 SW
IC733, CP701 VCO
IC740 CLK DRIVER
IC718, 726,727 27M PLL UNLOCK DET
IC718(2/4) AMP
IC718, 721,723 27M PLL ERROR WINDOW COMP.
IC720, 723,727 SW CONTROL GATE
IC702 CF SELECT
IC700
IC700,703, IC704,706 SYNC DELAY GEN.
IC518,521 SIG-GEN.
TP502 DET CF
IC524,525, Q508,509 DELAY (CF DET)
CRUSH CF
FORM SYNC EX
INPT REF EFLAG
ANA CK DL
SDC CK DL
IC735,744 CLK DRIVER
IC738 CLK PHASE SHIFTER
IC737 CLK PHASE SHIFTER
IC890
IC742 CLK DRIVER
SDI CK(X)
TBC CK(X)
DPR CK(X)
AFM CK(X)
OPT CK(X)
SDI, 97-124
DPR-118, 112-75
FOR OPTION
FROM OPTION
CC VIDEO0
CC VIDEO7
CC VIDEO EN
IC393 BUFF
IC325,356 BUFF



Video signal processor (D-A, Reference clock generator, Composite encoder)

VPR-47

LOT NO. 804-

Section 3
Schematic Diagrams and Frame Wiring

Schematic Diagram Index

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3-1

Circuit Function

System configuration	Board name	Circuit function	Page
Digital process	DPR-118	For DNW-75/75P: Digital data processor (Audio/Video processor)	3-36
	*1 DPR-118C	For DNW-65/65P: Digital data processor (Audio/Video processor)	3-54
	SDI-41	For DNW-75/75P: 4:2:2 component serial digital interface with Embedded audio	3-123
	SDI-41C	For DNW-65/65P: 4:2:2 component serial digital output interface with Embedded audio	
Video process	*1 VPR-47	Video signal processor (D-A, Reference clock generator, Composite encoder)	3-174
	DEC-110	Analog composite decoder (for DNW-75/75P only)	3-28
Audio process	*1 APR-40	For DNW-75/75P: Audio signal processor, AES/EBU interface	3-4
	*1 APR-40C	For DNW-65/65P: Audio signal processor, AES/EBU output interface	
RF process	EQ-75	For DNW-75/75P: RF equalizer (REC current control, PB EQ, Inner error correction)	3-76
	EQ-75C	For DNW-65/65P: RF equalizer (PB EQ, Inner error correction)	
System/servo control	*1 SS-83	System control, Servo control	3-138
	*1 MS-58	Solenoids driver (Pinch, Brakes, Cleaning), Sensors input	3-116
	*1 DR-315	Motors driver (Drum, Capstan, Reels, Threading, Reel shift, Cassette up/down)	3-72
	*1 TC-102	For DNW-75/75P: TC REC/PB circuit, TC/FULL erase OSC	3-172
		For DNW-65/65P: TC PB circuit, Shot-mark REC circuit, TC erase OSC	
Mech. deck driver/sensor	*1 SE-461	Connection board with Condensation sensor	3-218/222
	PTC-54	Threading FG	3-218/222
	CCM-15	Threading motor	3-218/222
	PD-35	Reel shift motor	3-218/222
	TR-79	Pinch solenoid connection, Tape end sensor connection	3-218/222
	PTC-59	T tension sensor, Threading-end and Unthreading-end sensors	3-218/222
	RM-181	Cassette’s holes sensor	3-218/222
	SE-344	T reel motor	3-218/222
	RM-181	T reel FG	3-218/222
	SE-344	S reel motor	3-218/222
	PTC-71	S reel FG	3-218/222
	TR-78	Reel position sensors	3-218/222
		S tension sensor	3-219/223

*1: The full name of each mounted board is as follows :

Model name	DPR-118C	VPR-47	APR-40	APR-40C	SS-83	MS-58	DR-315	TC-102	SE-461
DNW-75 (J)	—	VPR-47	APR-40E	—	SS-83E	MS-58E	DR-315K	TC-102	SE-461E
DNW-75 (SY)	—	VPR-47	APR-40E	—	SS-83E	MS-58E	DR-315K	TC-102	SE-461E
DNW-75P (SY)	—	VPR-47P	APR-40E	—	SS-83E	MS-58E	DR-315K	TC-102	SE-461E
DNW-65 (J)	DPR-118F	VPR-47	—	APR-40F	SS-83E	MS-58E	DR-315K	TC-102C	SE-461E
DNW-65 (SY)	DPR-118F	VPR-47	—	APR-40F	SS-83E	MS-58E	DR-315K	TC-102C	SE-461E
DNW-65P (SY)	DPR-118F	VPR-47P	—	APR-40F	SS-83E	MS-58E	DR-315K	TC-102C	SE-461E

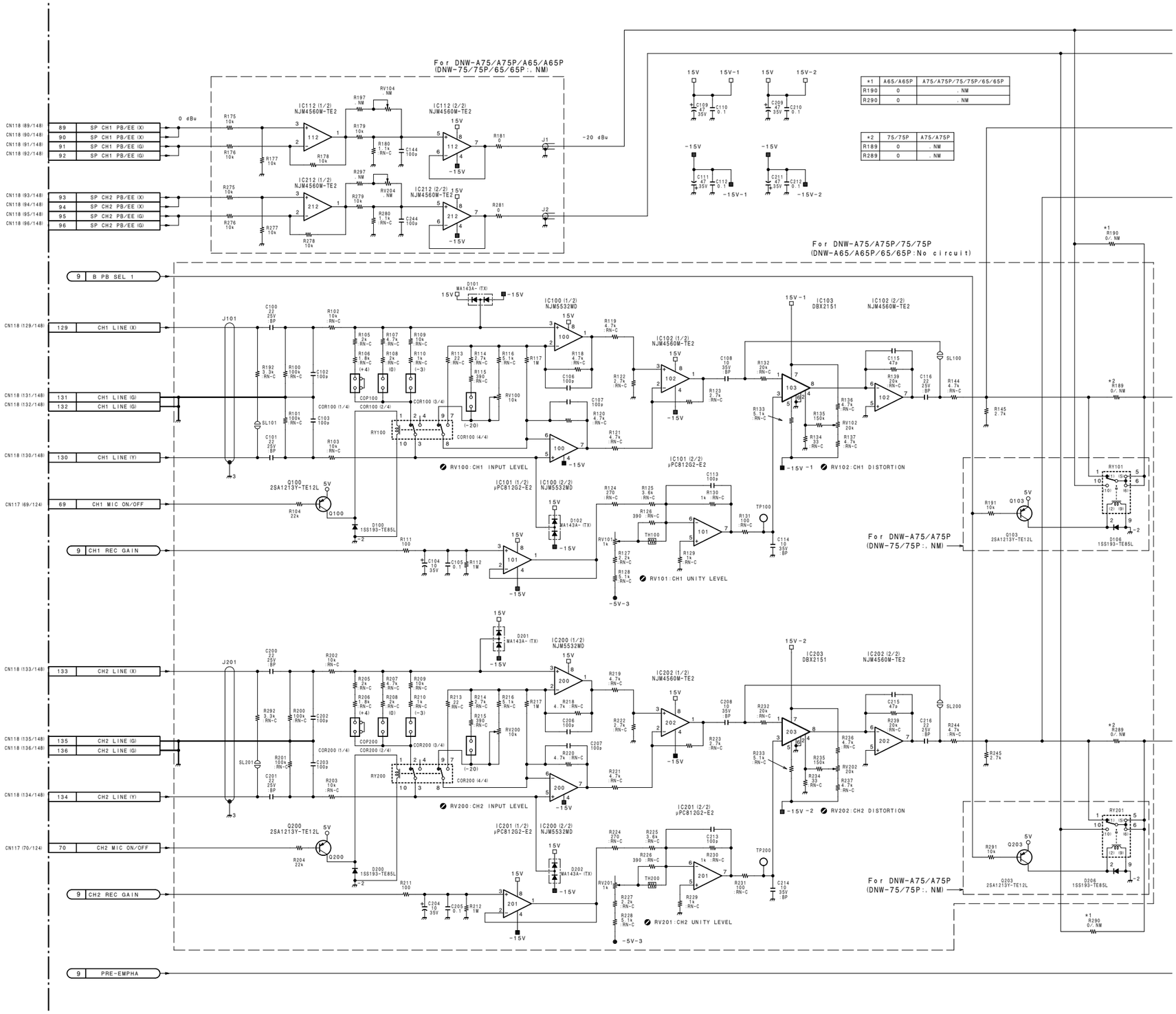
System configuration	Board name	Circuit function	Page
Cassette compartment	CL-29	Cassette up/down motor, Cassette down sensors	3-22
	LP-81	Lamp of cassette compartment	3-22
	PC-70	Cassette-in sensors, Cassette size sensor	3-22
Front panel	FP-117	Panel function (Switches, LEDs) control, CAV control level conversion	3-90
	*2 VR-223	For DNW-75/75P: Audio REC level VRs, Video input level VR, Phone level VR, Phone connector	3-214
		For DNW-65/65P: Phone level VR, Phone connector	
	*2 VR-224	Audio PB level VRs	3-215
	*2 SWC-35	Upper control panel function (Switches, LEDs)	3-170
	*2 SWC-31	Sub control panel function	3-169
	*2 KY-438	Lower control panel function	3-92
	PTC-69	Search dial sensor, Dial solenoid connection	3-220/224
Motherboard, connector panel	*2 MB-818	Motherboard, Remote control connectors (REMOTE1 (9P), RS-232C, VIDEO CONTROL, CONTROL PANEL)	3-98
	*2 CP-334	For DNW-75/75P: Connector board (Analog video) with input/output buffer	3-25
		For DNW-65/65P: Connector board (Analog video) with output buffer	
	*2 CP-278	For DNW-75/75P: Connector board (Analog audio input/output)	3-23
		For DNW-65/65P: Connector board (Analog audio output)	
	*2 CP-335	For DNW-75/75P: Connector board (AES/EBU input/output)	3-27
		For DNW-65/65P: Connector board (AES/EBU output)	
	*2 CP-301	For DNW-75/75P: Connector board (TC input/output, MONITOR output)	3-24
		For DNW-65/65P: Connector board (TC output, MONITOR output)	
	RM-130	Parallel (50-pin) remote interface, Remote control connector [REMOTE 2 PARALLEL (50P)]	3-121
	RM-179	NV-RAM for Parallel (50-pin) remote interface	3-122
Power	*2 AC-169	AC connector board with Breaker	3-220/224
	PS unit	Switching regulator (PS=Power supply)	3-216

*2: The full name of each mounted board is as follows :

Model name	VR-223	VR-224	SWC-35	SWC-31	KY-438	MB-818	CP-334	CP-278	CP-335	CP-301	AC-169
DNW-75 (J)	VR-223K	VR-224K	SWC-35	SWC-31M	KY-438	MB-818E	CP-334	CP-278KJ	CP-335	CP-301KJ	AC-169K
DNW-75 (SY)	VR-223K	VR-224K	SWC-35	SWC-31M	KY-438	MB-818E	CP-334	CP-278K	CP-335	CP-301K	AC-169K
DNW-75P (SY)	VR-223K	VR-224K	SWC-35	SWC-31M	KY-438	MB-818E	CP-334	CP-278K	CP-335	CP-301KP	AC-169K
DNW-65 (J)	VR-223L	VR-224K	SWC-35C	SWC-31N	KY-438C	MB-818F	CP-334C	CP-278LJ	CP-335C	CP-301LJ	AC-169K
DNW-65 (SY)	VR-223L	VR-224K	SWC-35C	SWC-31N	KY-438C	MB-818F	CP-334C	CP-278L	CP-335C	CP-301L	AC-169K
DNW-65P (SY)	VR-223L	VR-224K	SWC-35C	SWC-31N	KY-438C	MB-818F	CP-334C	CP-278L	CP-335C	CP-301LP	AC-169K

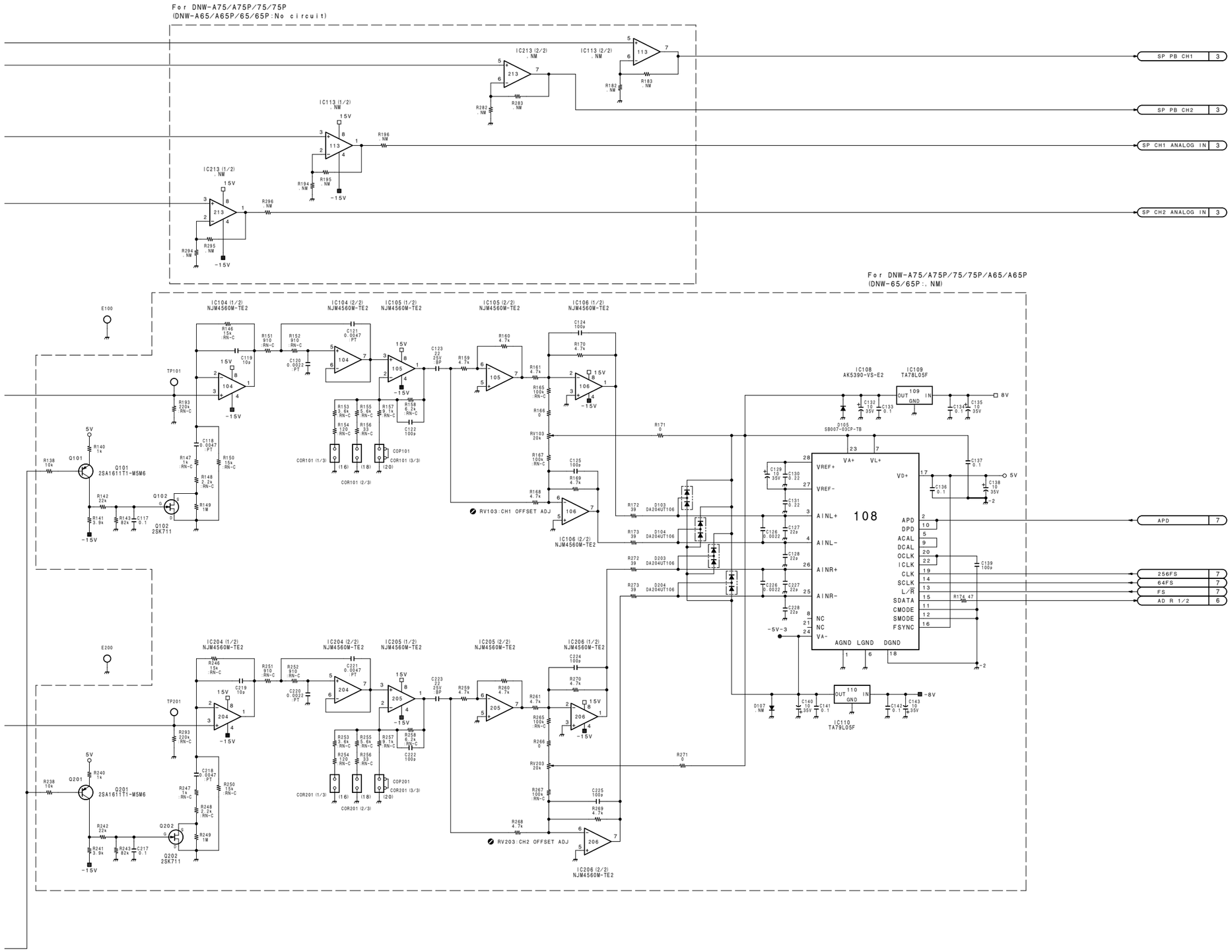
APR-40/40C (1/9)

コネクタの接続先についてはMB-818基板回路図（ 3-98 ページ）を参照。
Refer to the MB-818 board schematic diagrams (Page 3-98) in regard to destinations of connectors.



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Audio signal processor, AES/EBU output interface

APR-40C (1/9)

BOARD NO. 1-670-578-21
LOT NO. 807- (APR-40C: For DNW-A65/A65P)
LOT NO. 905- (APR-40F: For DNW-65/65P)

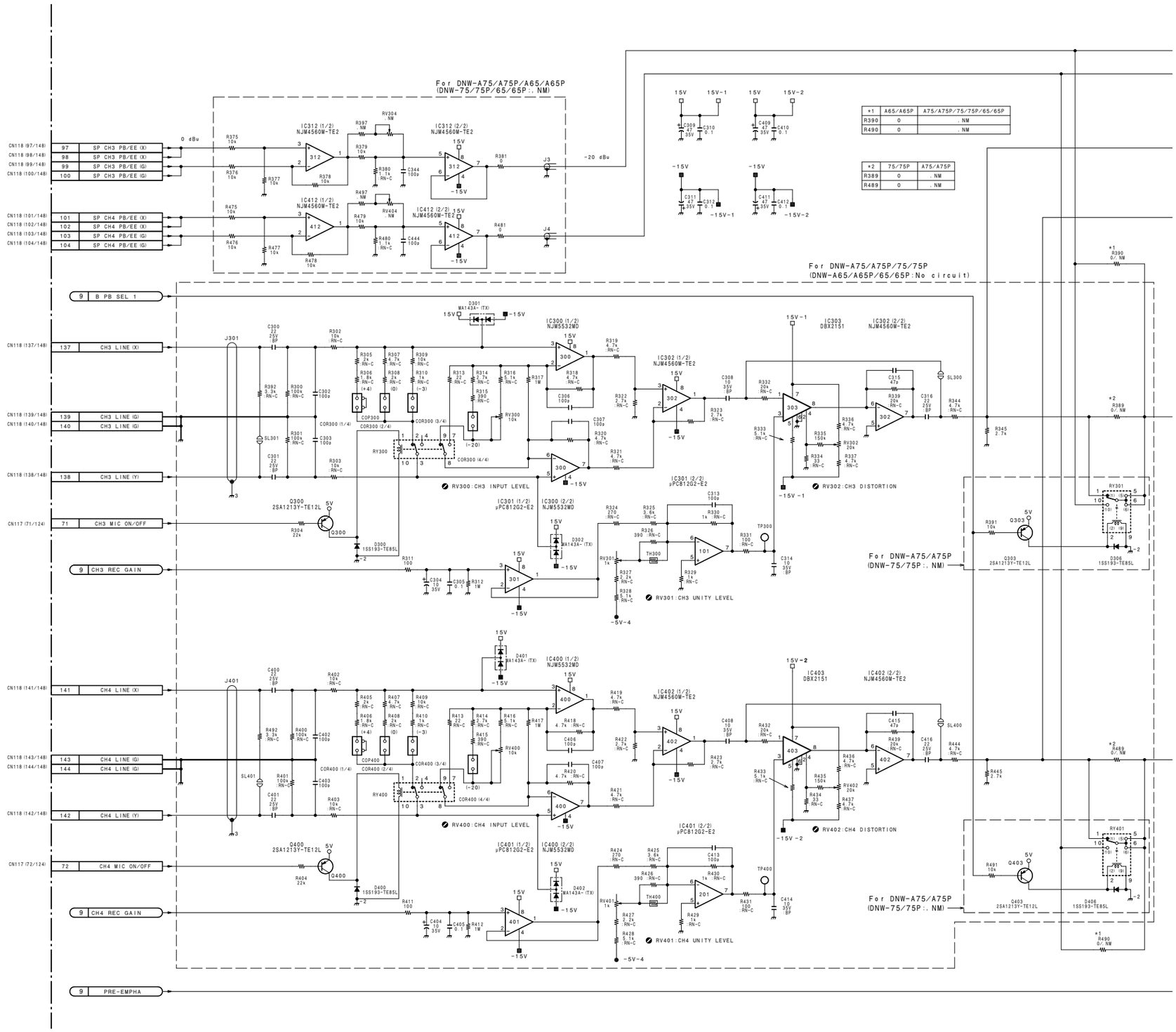
Audio signal processor, AES/EBU interface

APR-40 (1/9)

BOARD NO. 1-670-578-11
LOT NO. 804- (APR-40: For DNW-A75/A75P)
LOT NO. 905- (APR-40E: For DNW-75/75P)

B-¥DNWA75-APR40-11-PCN/M

APR-40/40C (2/9)

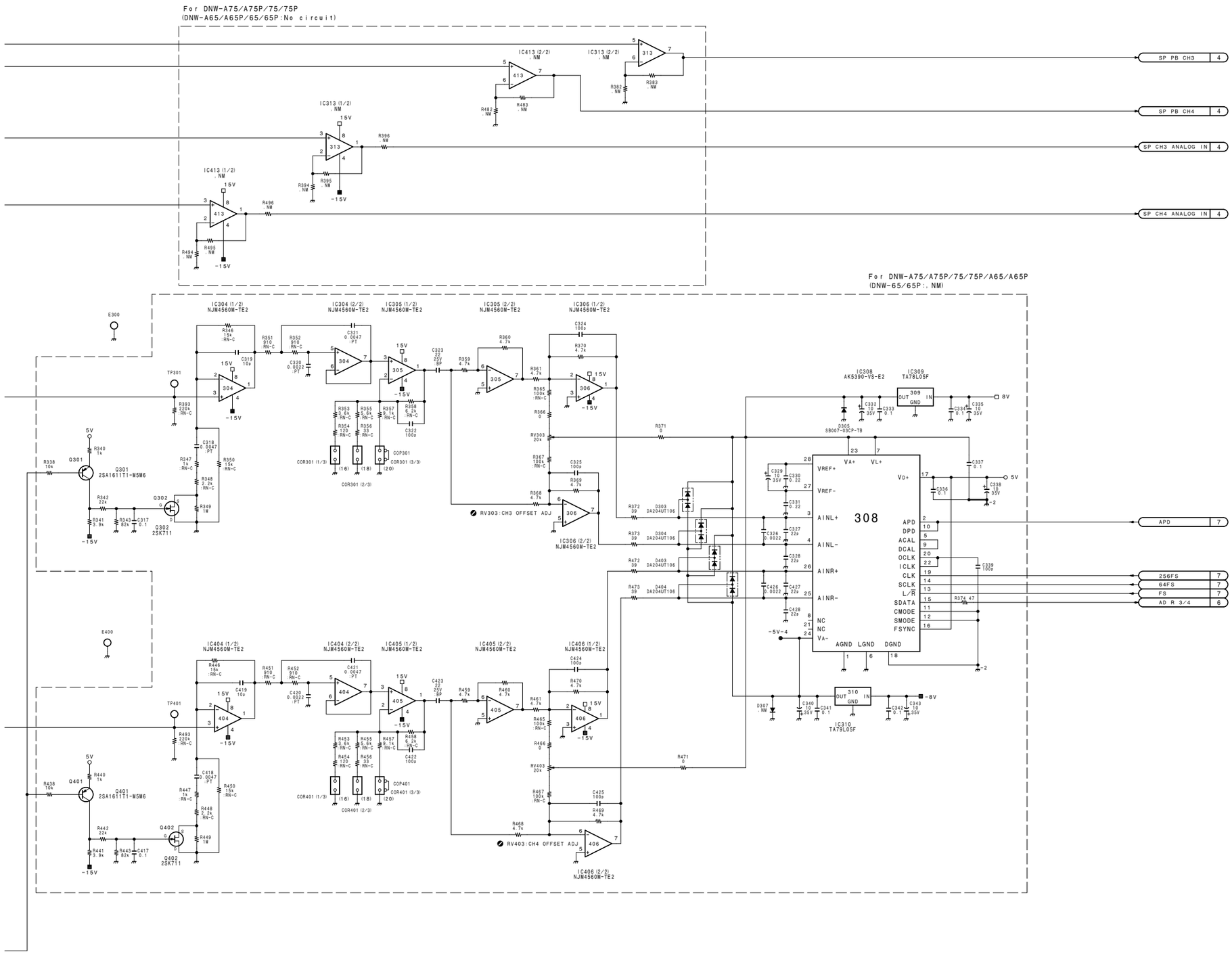


*1	A65/A65P	A75/A75P/75/75P/65/65P
R390	0	.NM
R490	0	.NM

*2	75/75P	A75/A75P
R389	0	.NM
R489	0	.NM

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APR-40/40C (2/9)



Audio signal processor, AES/EBU output interface

APR-40C (2/9)

BOARD NO. 1-670-578-21
LOT NO. 807- (APR-40C: For DNW-A65/A65P)
LOT NO. 905- (APR-40F: For DNW-65/65P)

Audio signal processor, AES/EBU interface

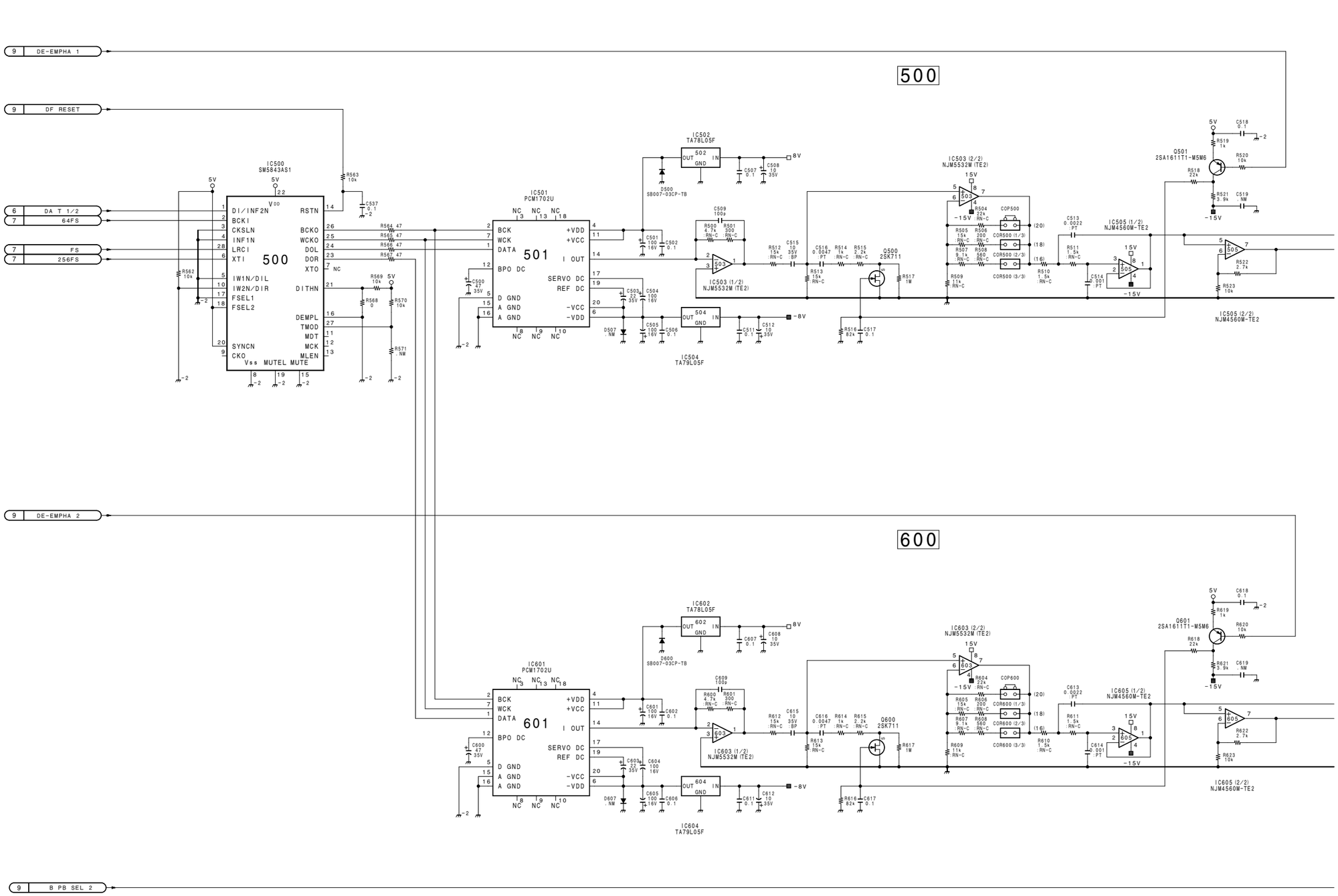
APR-40 (2/9)

BOARD NO. 1-670-578-11
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LOT NO. 905- (APR-40E: For DNW-75/75P)

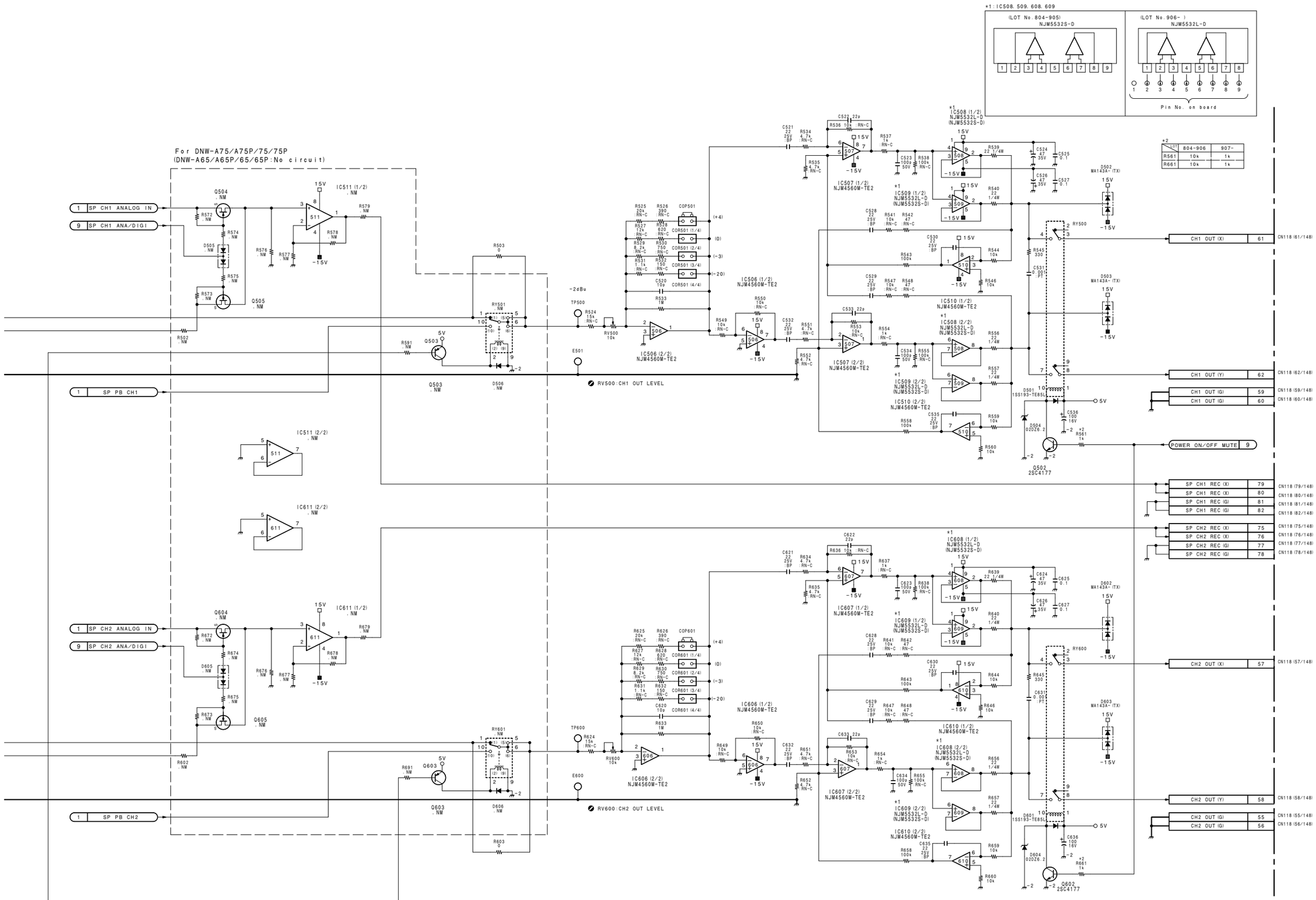
B-¥DNWA75-APR40-11-PCN/M

DNW-75/75P
DNW-65/65P

APR-40/40C (3/9)



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Audio signal processor, AES/EBU output interface

APR-40C (3/9)

BOARD NO. 1-670-578-21
LOT NO. 807- (APR-40C: For DNW-A65/A65P)
LOT NO. 905- (APR-40F: For DNW-65/65P)

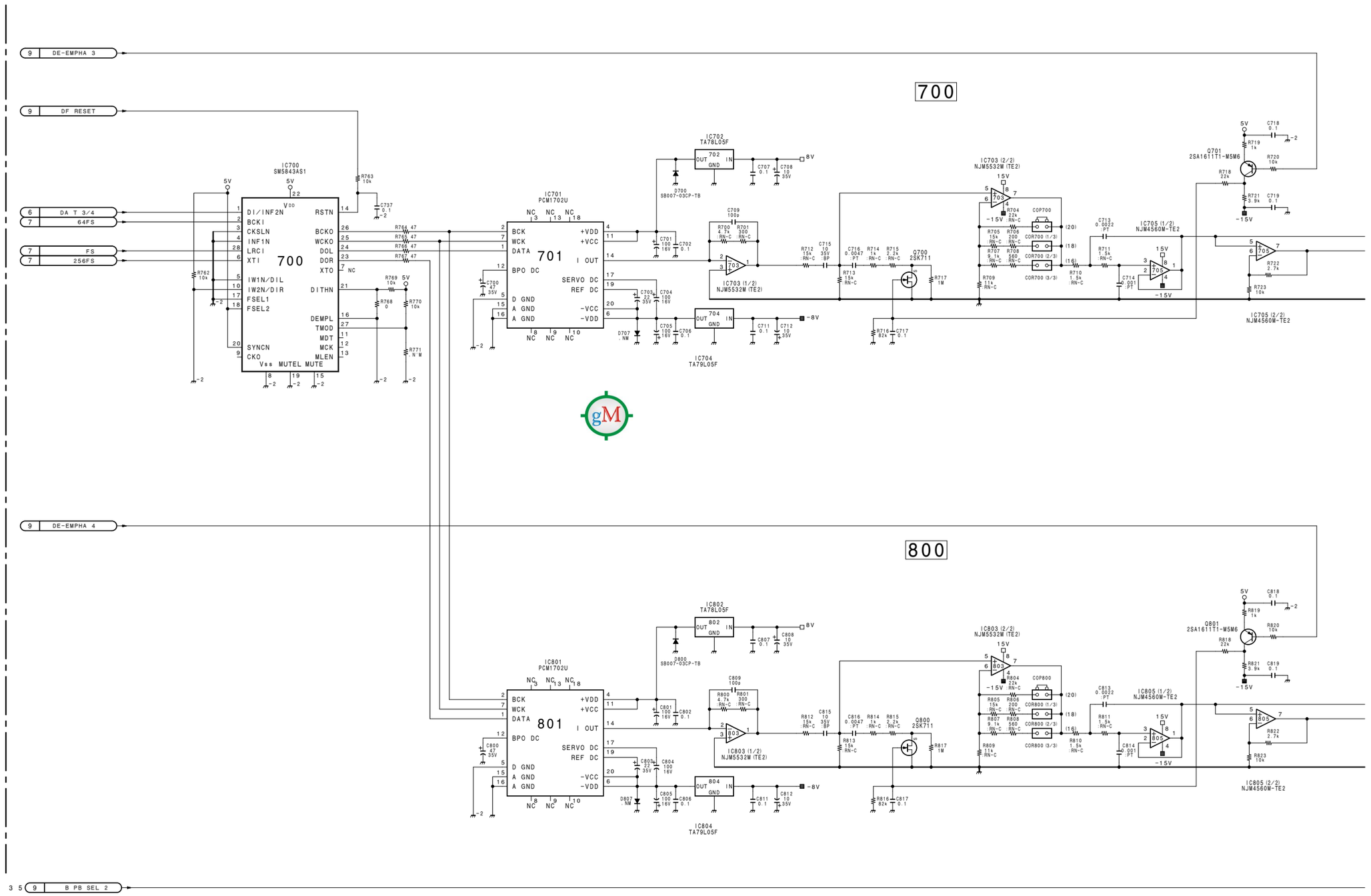
Audio signal processor, AES/EBU interface

APR-40 (3/9)

BOARD NO. 1-670-578-11
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LOT NO. 905- (APR-40E: For DNW-75/75P)

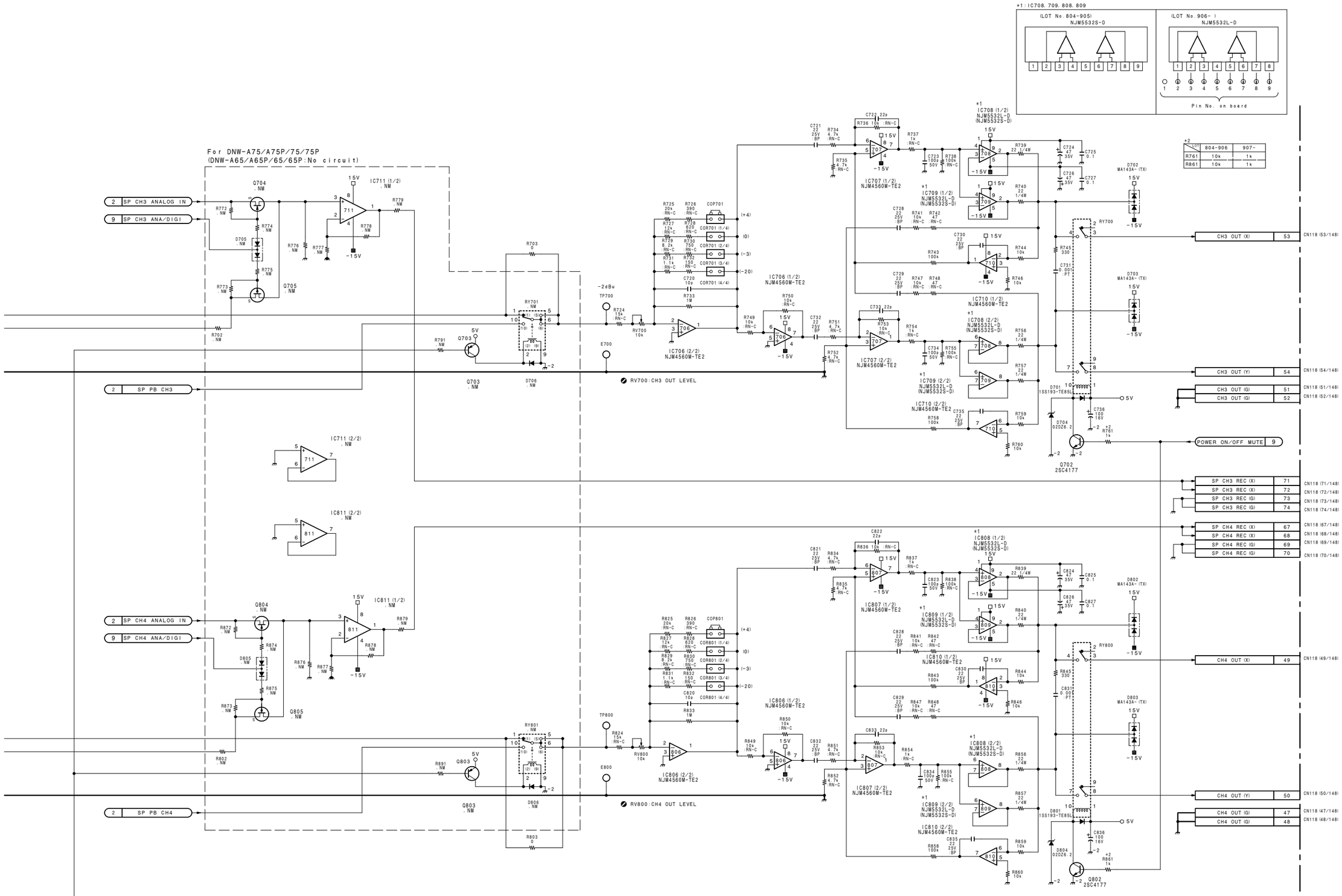
B-¥DNWA75-APR40-11-PCN/M

APR-40/40C (4/9)



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APR-40/40C (4/9)



Audio signal processor, AES/EBU output interface

APR-40C (4/9)

BOARD NO. 1-670-578-21
LOT NO. 807- (APR-40C: For DNW-A65/A65P)
LOT NO. 905- (APR-40F: For DNW-65/65P)

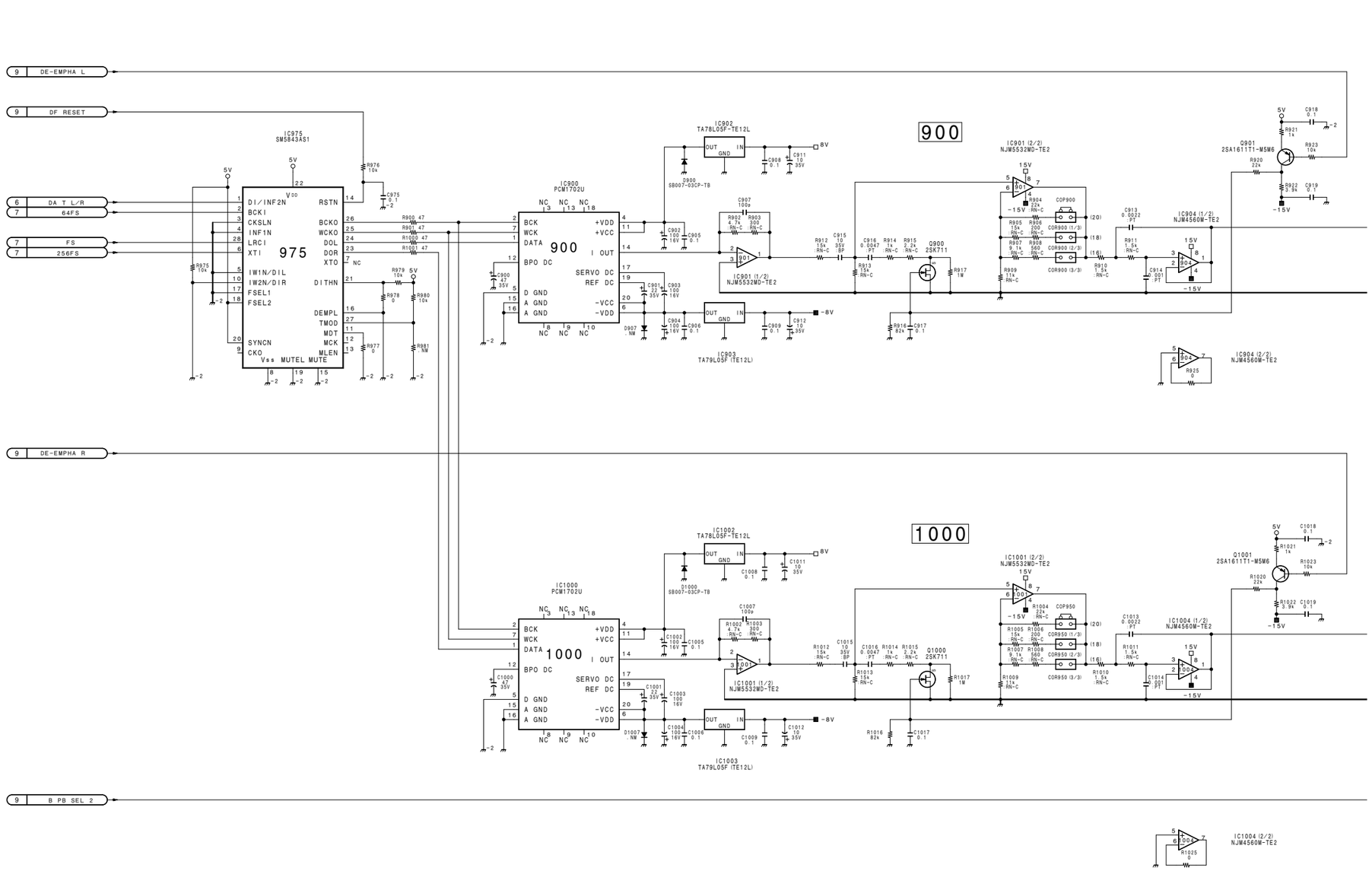
Audio signal processor, AES/EBU interface

APR-40 (4/9)

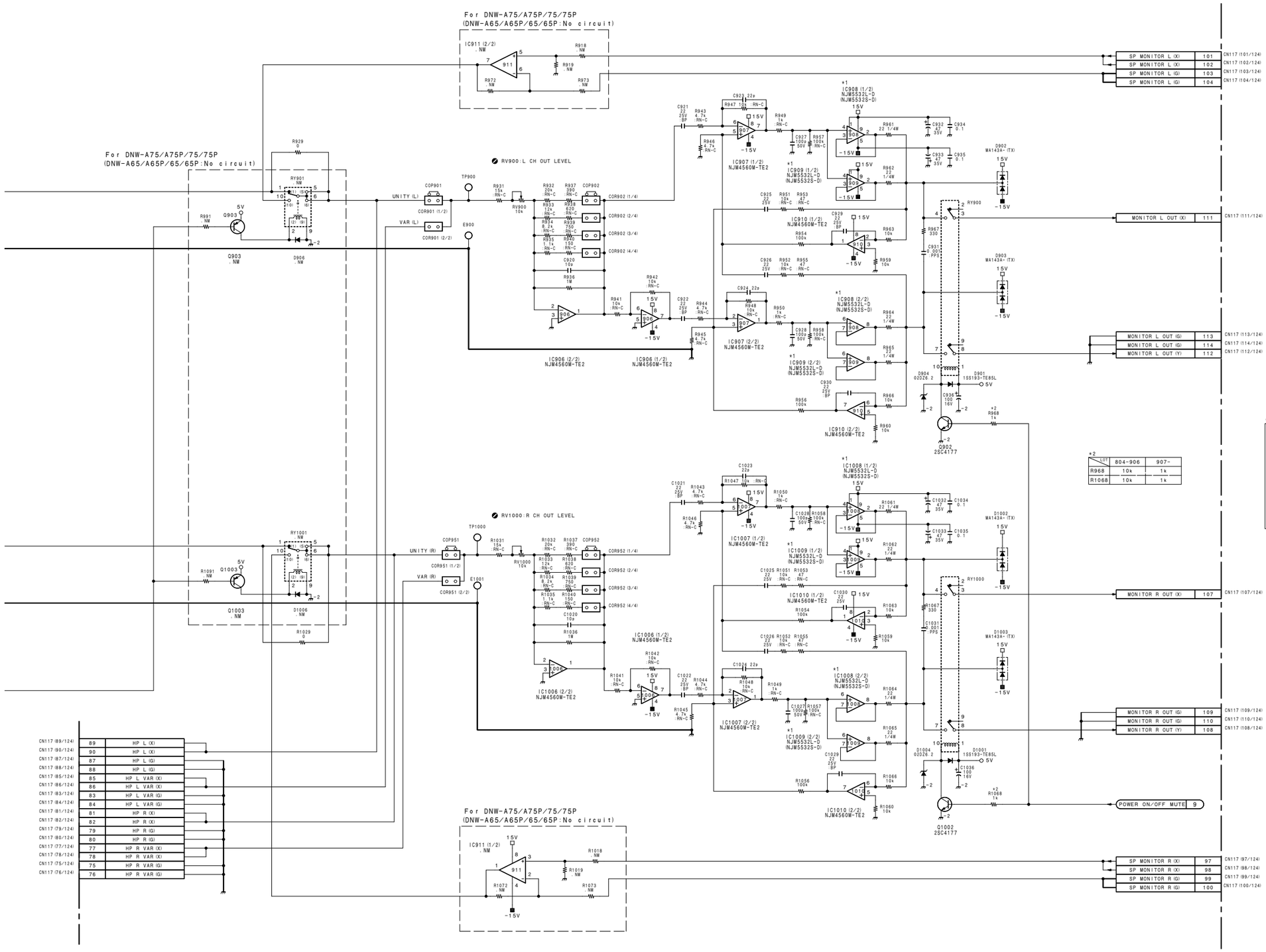
BOARD NO. 1-670-578-11
LOT NO. 804- (APR-40: For DNW-A75/A75P)
LOT NO. 905- (APR-40E: For DNW-75/75P)

B-¥DNWA75-APR40-11-PCN/M

APR-40/40C (5/9)



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Audio signal processor, AES/EBU output interface

APR-40C (5/9)

BOARD NO. 1-670-578-21
LOT NO. 807- (APR-40C: For DNW-A65/A65P)
LOT NO. 905- (APR-40F: For DNW-65/65P)

Audio signal processor, AES/EBU interface

APR-40 (5/9)

BOARD NO. 1-670-578-11
LOT NO. 804- (APR-40: For DNW-A75/A75P)
LOT NO. 905- (APR-40E: For DNW-75/75P)

B-¥DNWA75-APR40-11-PCN/M

APR-40/40C (6/9)

×1	A65/A65P	65/65P	A75/A75P/75/75P
R1100	.NM	100k	.NM
R1101	.NM	100k	.NM
R1102	100k	100k	.NM
R1103	100k	100k	.NM
R1104	10k	10k	.NM
R1105	10k	10k	.NM

For DNW-A75/A75P/75/75P
(DNW-A65/A65P/65/65P:No circuit)

AP1
IC1102
CXD8811AQ

AP4
IC1103
CXD8859AQ

IC1104
IDT71V016S20Y-TL

IC1100
TC74VHC245F

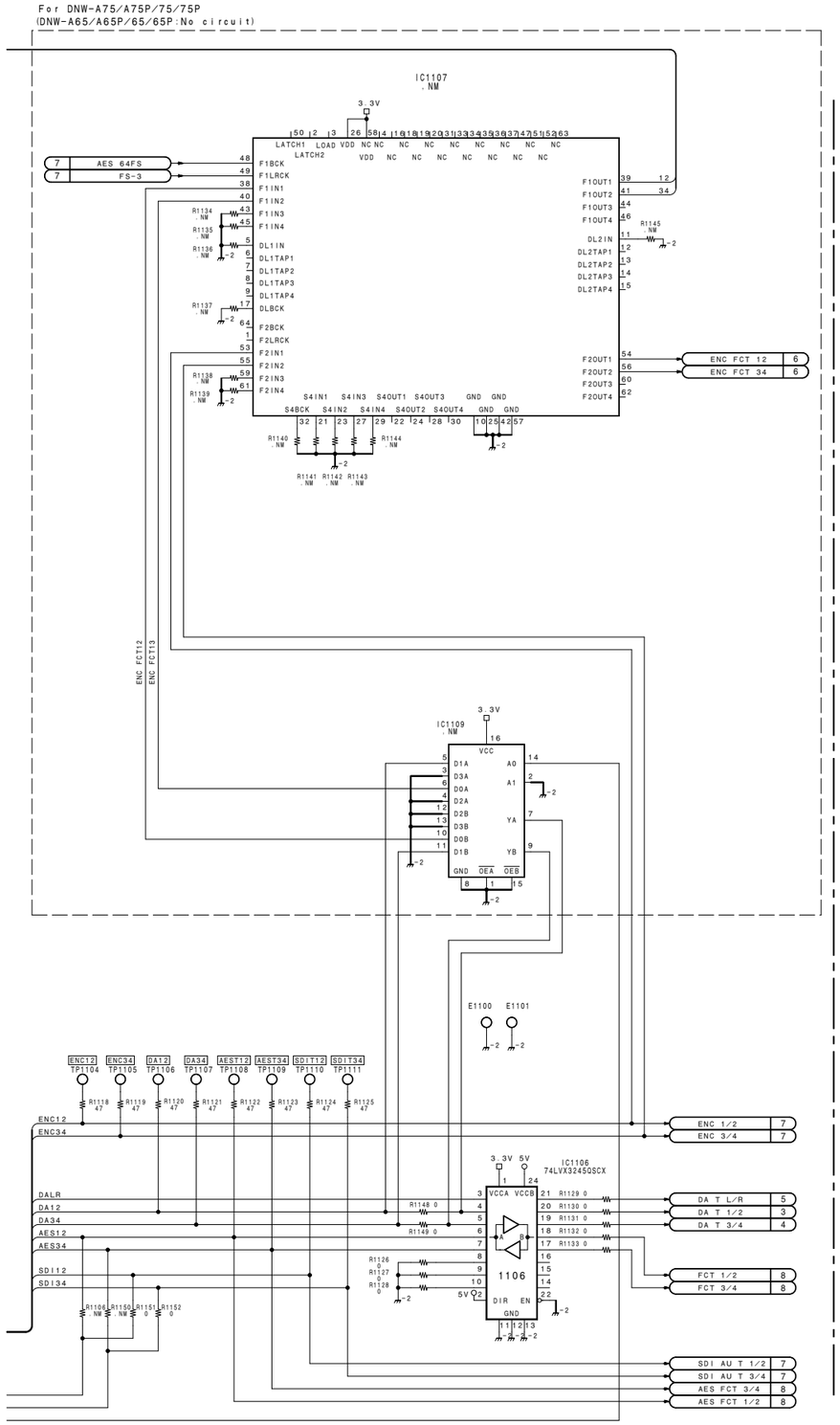
IC1105 (1/3)
TC74VHC74F

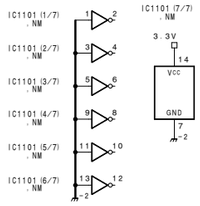
IC1105 (2/3)
TC74VHC74F

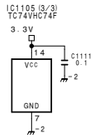
IC1108
NM

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Audio signal processor, AES/EBU output interface

APR-40C (6/9)

BOARD NO. 1-670-578-21
LOT NO. 807- (APR-40C: For DNW-A65/A65P)
LOT NO. 905- (APR-40F: For DNW-65/65P)

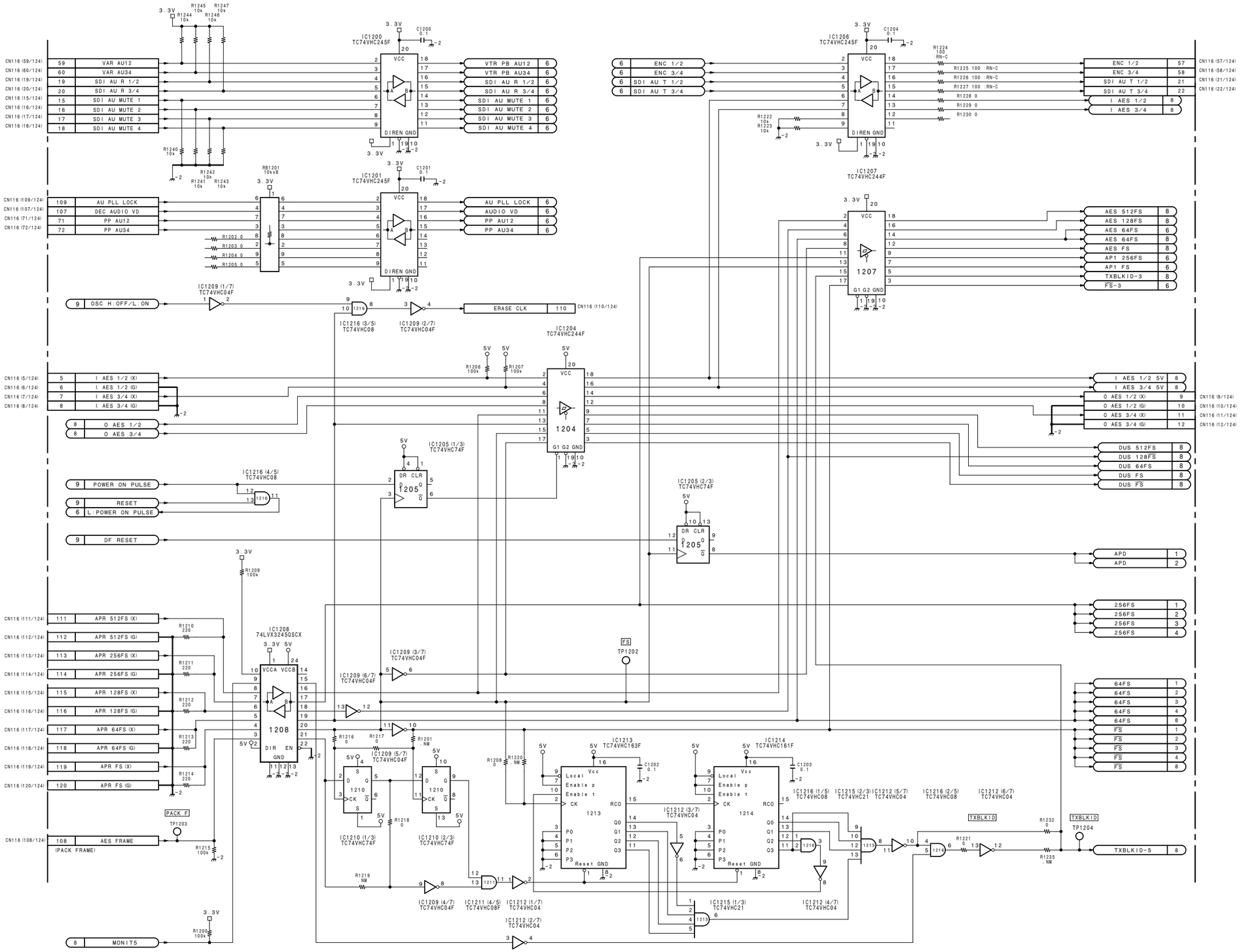
Audio signal processor, AES/EBU interface

APR-40 (6/9)

BOARD NO. 1-670-578-11
LOT NO. 804- (APR-40: For DNW-A75/A75P)
LOT NO. 905- (APR-40E: For DNW-75/75P)

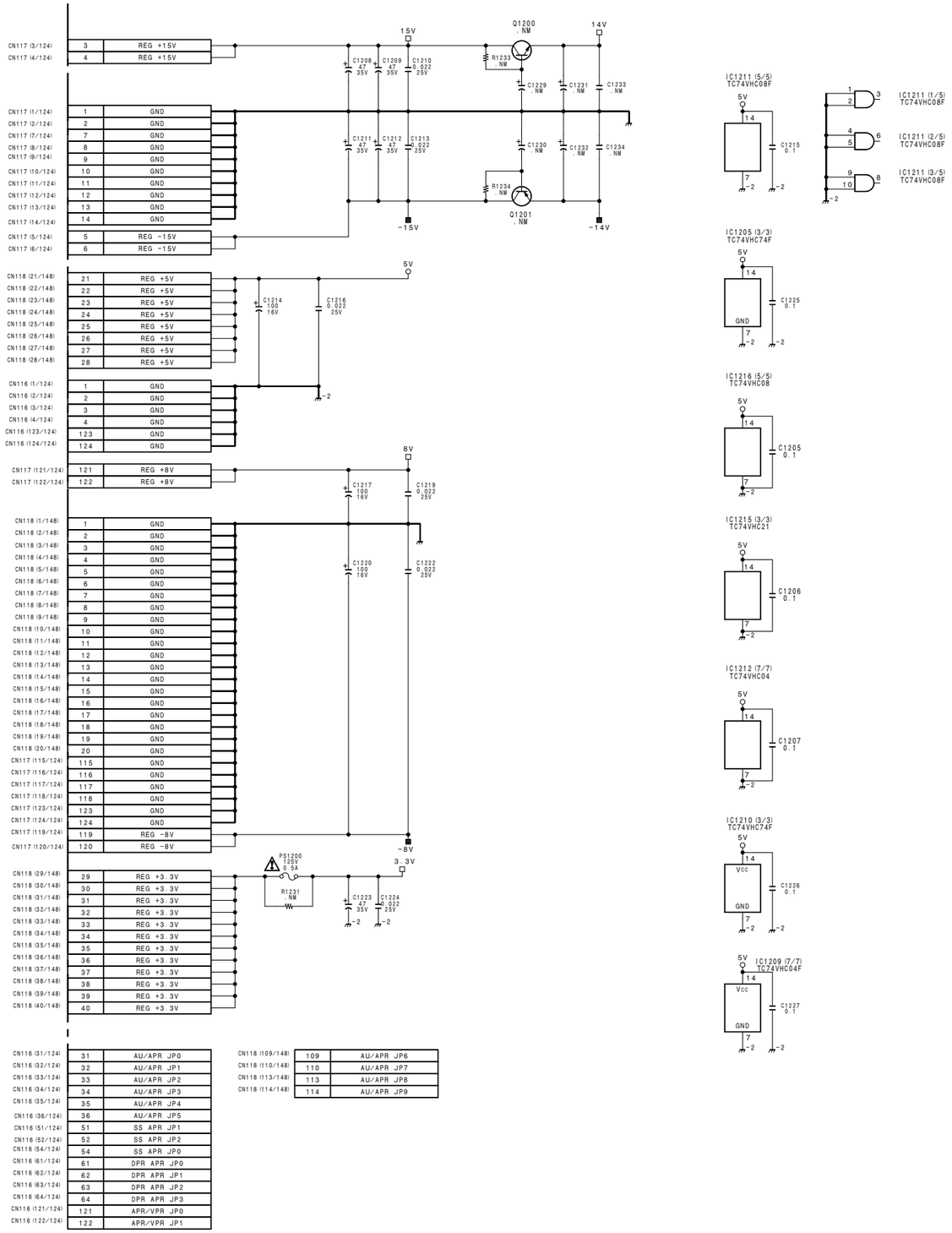
B-¥DNWA75-APR40-11-PCN/M

APR-40/40C (7/9)



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APR-40/40C (7/9)



Audio signal processor, AES/EBU output interface

APR-40C (7/9)

BOARD NO. 1-670-578-21
LOT NO. 807- (APR-40C: For DNW-A65/A65P)
LOT NO. 905- (APR-40F: For DNW-65/65P)

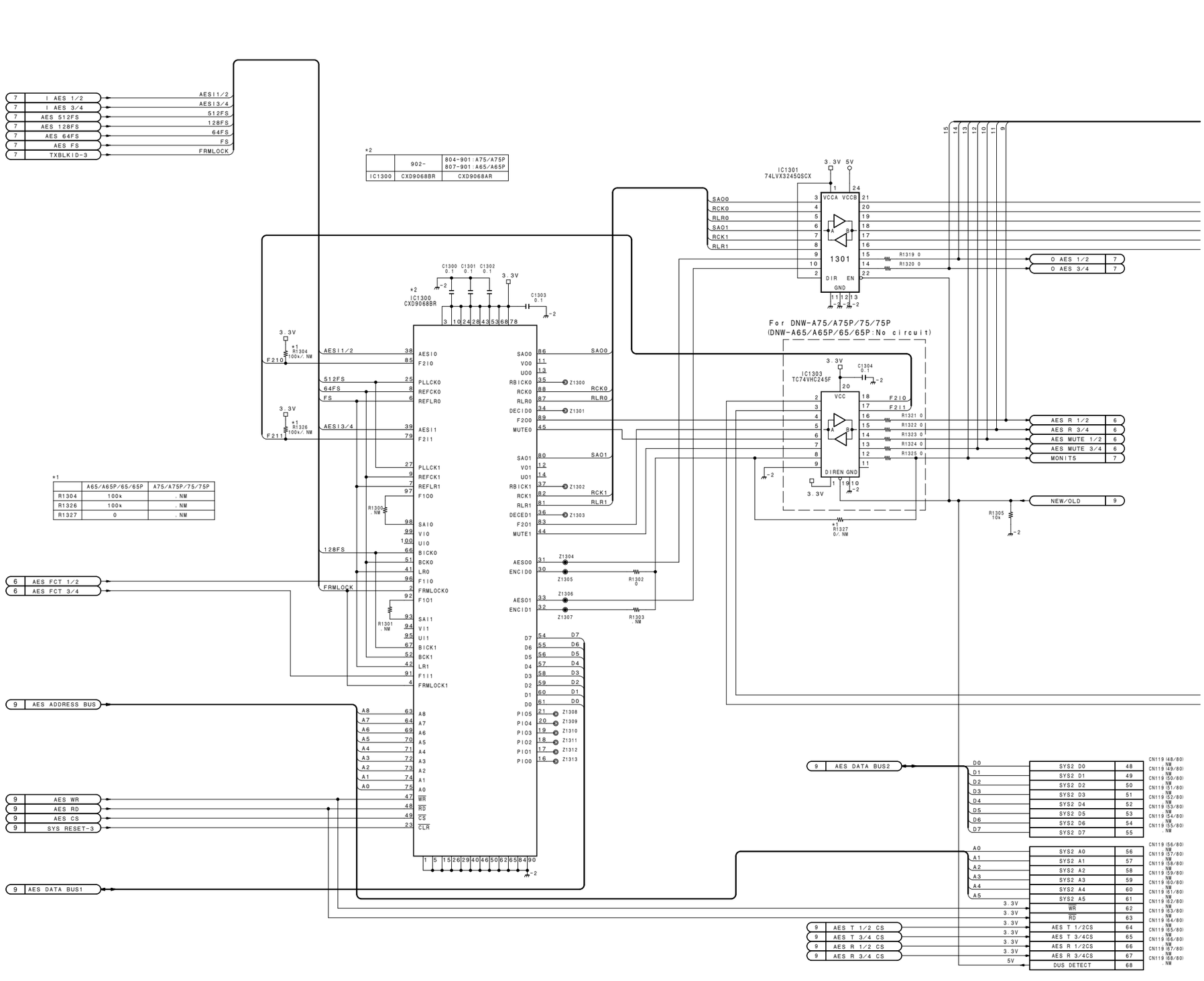
Audio signal processor, AES/EBU interface

APR-40 (7/9)

BOARD NO. 1-670-578-11
LOT NO. 804- (APR-40: For DNW-A75/A75P)
LOT NO. 905- (APR-40E: For DNW-75/75P)

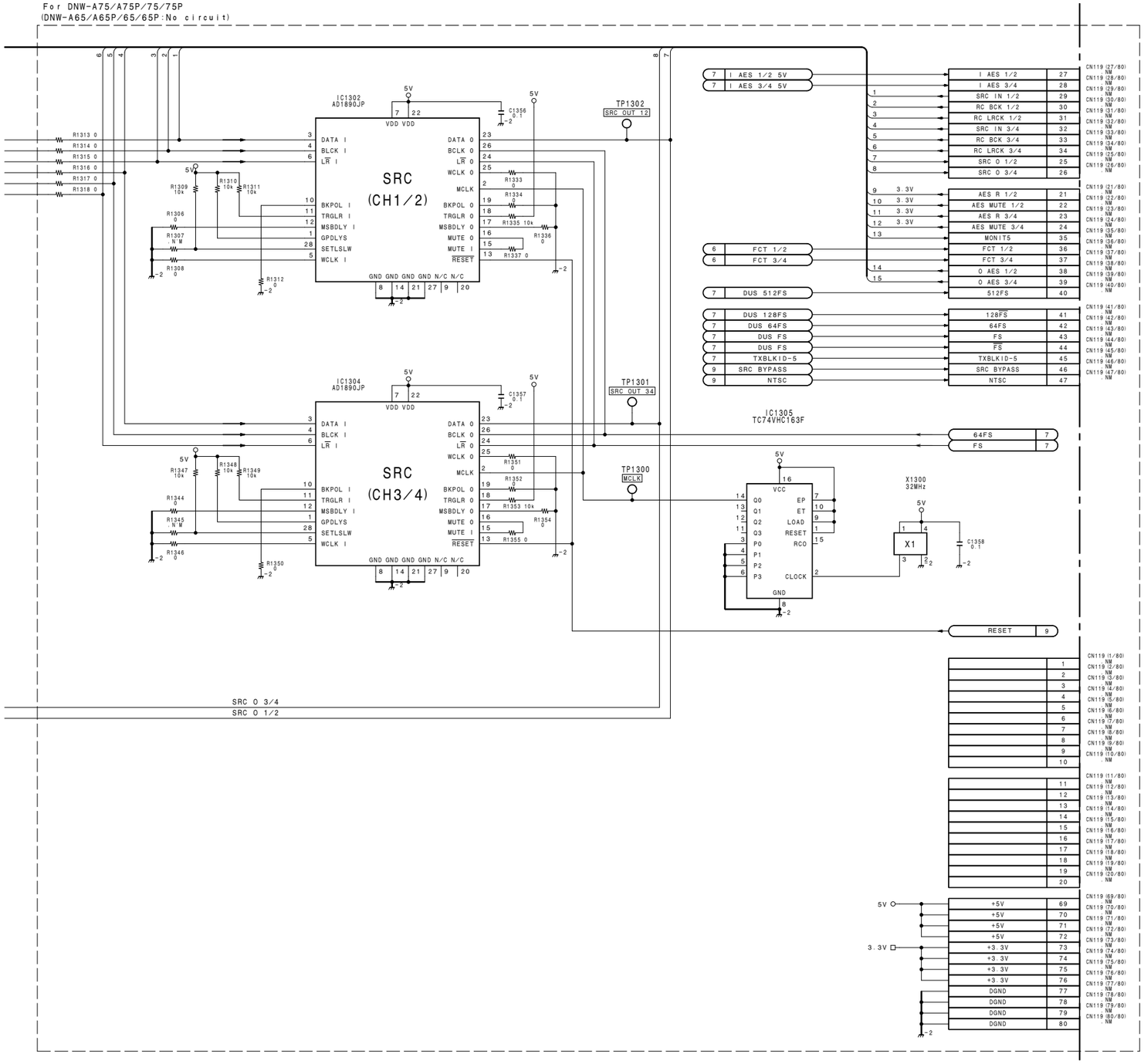
B-¥DNWA75-APR40-11-PCN/M

APR-40/40C (8/9)



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DNW-75/75P
DNW-65/65P



Audio signal processor, AES/EBU output interface

APR-40C (8/9)

BOARD NO. 1-670-578-21
LOT NO. 807- (APR-40C: For DNW-A65/A65P)
LOT NO. 905- (APR-40F: For DNW-65/65P)

Audio signal processor, AES/EBU interface

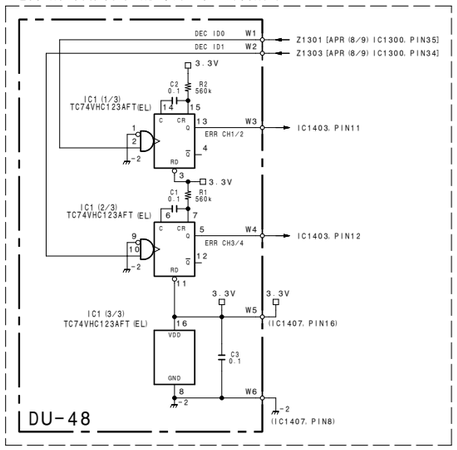
APR-40 (8/9)

BOARD NO. 1-670-578-11
LOT NO. 804- (APR-40: For DNW-A75/A75P)
LOT NO. 905- (APR-40E: For DNW-75/75P)

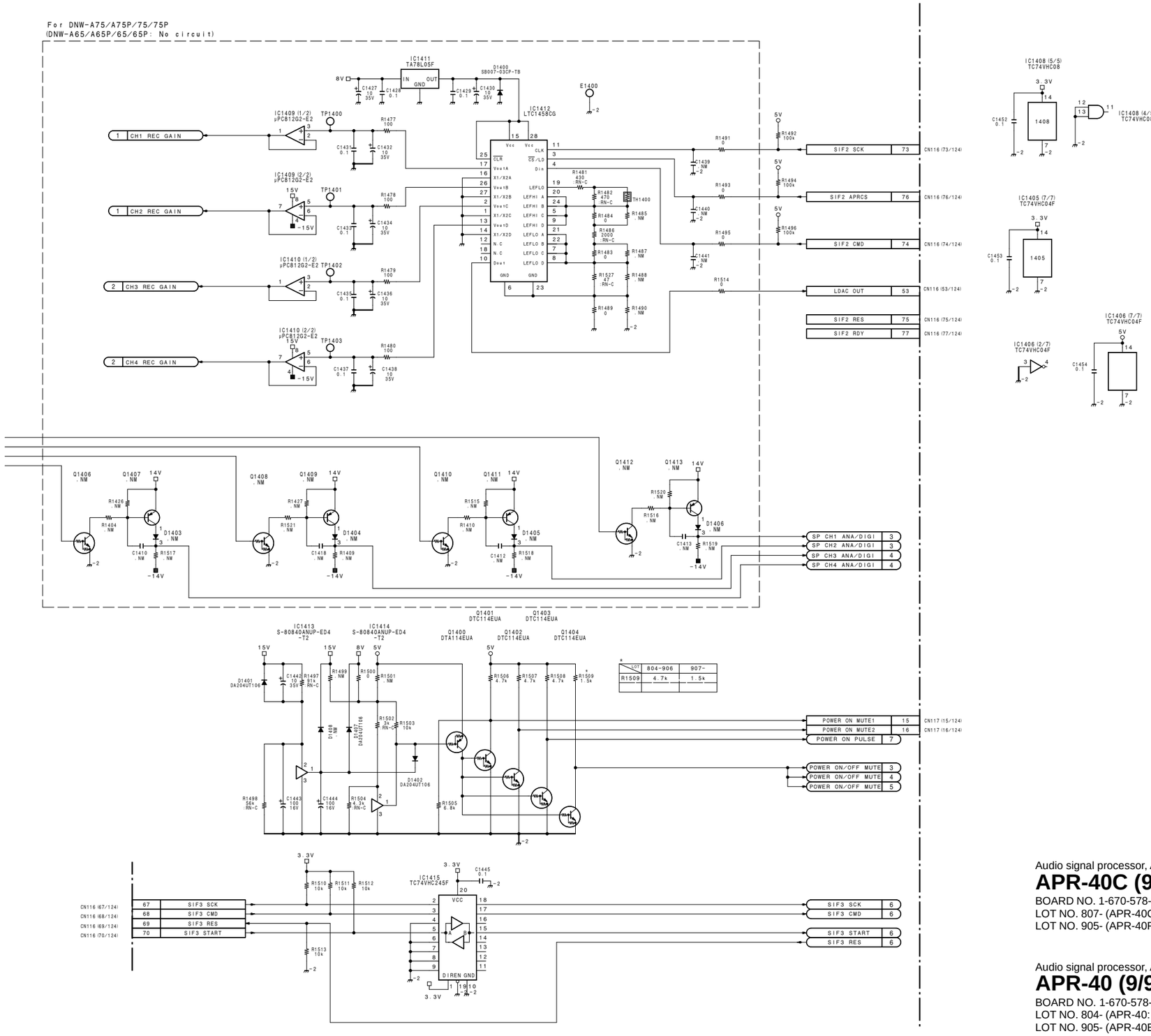
B-¥DNWA75-APR40-11-PCN/M

APR-40/40C (9/9)

For DNW-A75/A75P WHEN IC1300 IS CXD9068AR
(DU-48 BOARD WAS ADDED ON APR-40 MOUNTED CIRCUIT BOARD OF
LOT NO. 811, 812, AND 901 AT FACTORY.)



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Audio signal processor, AES/EBU output interface

APR-40C (9/9)

BOARD NO. 1-670-578-21
LOT NO. 807- (APR-40C: For DNW-A65/A65P)
LOT NO. 905- (APR-40F: For DNW-65/65P)

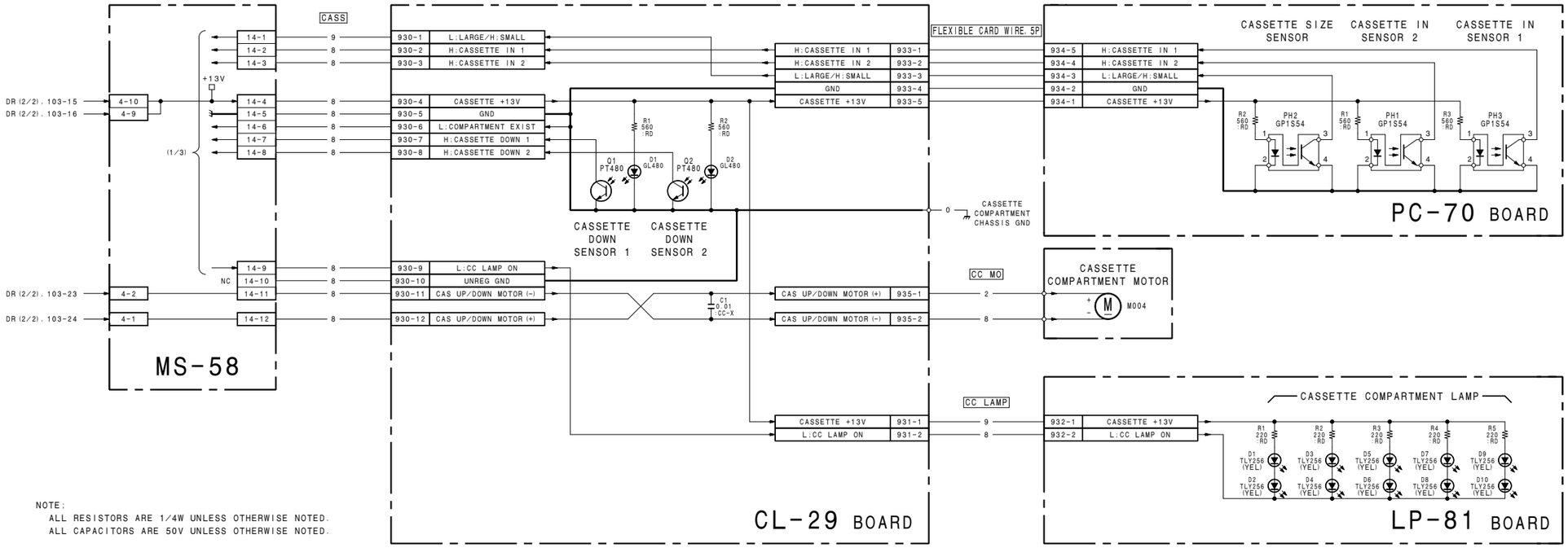
Audio signal processor, AES/EBU interface

APR-40 (9/9)

BOARD NO. 1-670-578-11
LOT NO. 804- (APR-40: For DNW-A75/A75P)
LOT NO. 905- (APR-40E: For DNW-75/75P)

B-¥DNWA75-APR40-11-PCN/M

コネクタの接続先についてはFrame Wiring（3-218/222 ページ）を参照。
Refer to the Farme Wiring (Page 3-218/222) in regard to destinations of connectors.



NOTE:
ALL RESISTORS ARE 1/4W UNLESS OTHERWISE NOTED.
ALL CAPACITORS ARE 50V UNLESS OTHERWISE NOTED.

Cassette up/down motor, Cassette down sensors
CL-29
BOARD NO. 1-648-572-11
LOT NO. 804-

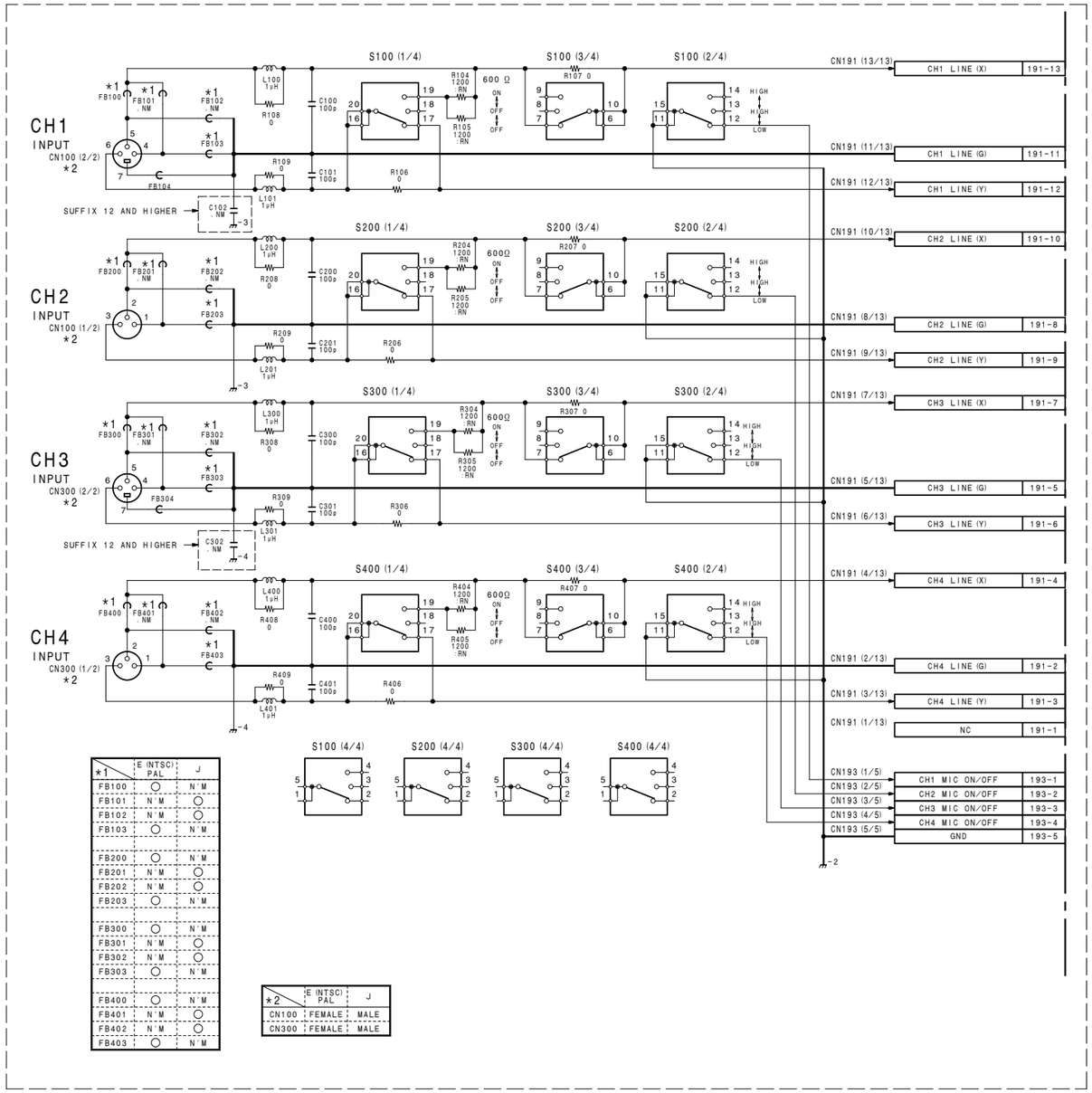
Lamp of cassette compartment
LP-81
BOARD NO. 1-648-573-11
LOT NO. 804-

Cassette-in sensors, Cassette size sensor
PC-70
BOARD NO. 1-648-571-11,12
LOT NO. 804-

B-¥DNWA75-CL29-11/M

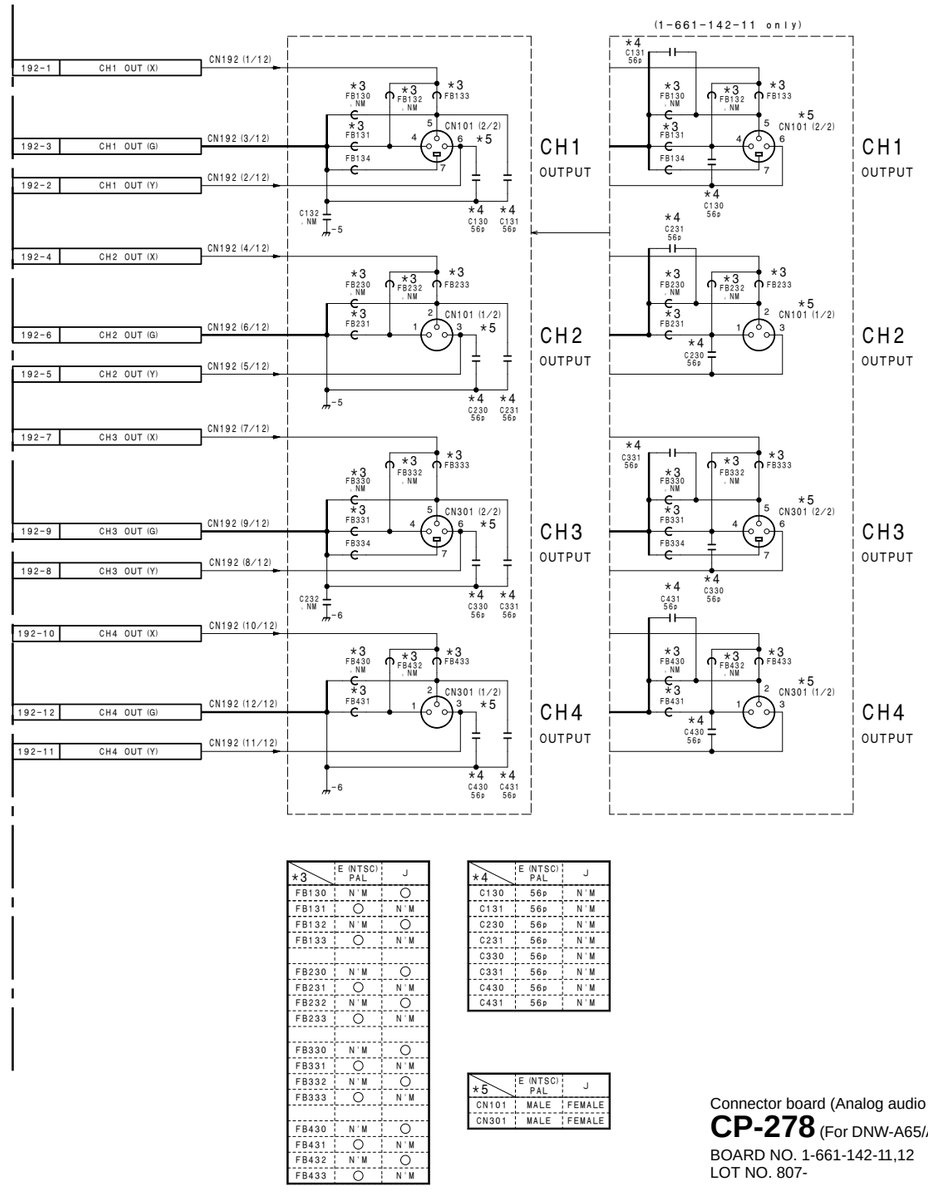
コネクタの接続先についてはFrame Wiring（3-220/224ページ）を参照。
Refer to the Farme Wiring (Page 3-220/224) in regard to destinations of connectors.

For DNW-A75/A75P/75/75P
(DNW-A65/A65P/65/65P:, NM)



*1	E (NTSC) PAL	J
FB100	○	N.M
FB101	N.M	○
FB102	N.M	○
FB103	○	N.M
FB200	○	N.M
FB201	N.M	○
FB202	N.M	○
FB203	○	N.M
FB300	○	N.M
FB301	N.M	○
FB302	N.M	○
FB303	○	N.M
FB400	○	N.M
FB401	N.M	○
FB402	N.M	○
FB403	○	N.M

*2	E (NTSC) PAL	J
CN100	FEMALE	MALE
CN300	FEMALE	MALE



*3	E (NTSC) PAL	J
FB130	N.M	○
FB131	○	N.M
FB132	N.M	○
FB133	○	N.M
FB230	N.M	○
FB231	○	N.M
FB232	N.M	○
FB233	○	N.M
FB330	N.M	○
FB331	○	N.M
FB332	N.M	○
FB333	○	N.M
FB430	N.M	○
FB431	○	N.M
FB432	N.M	○
FB433	○	N.M

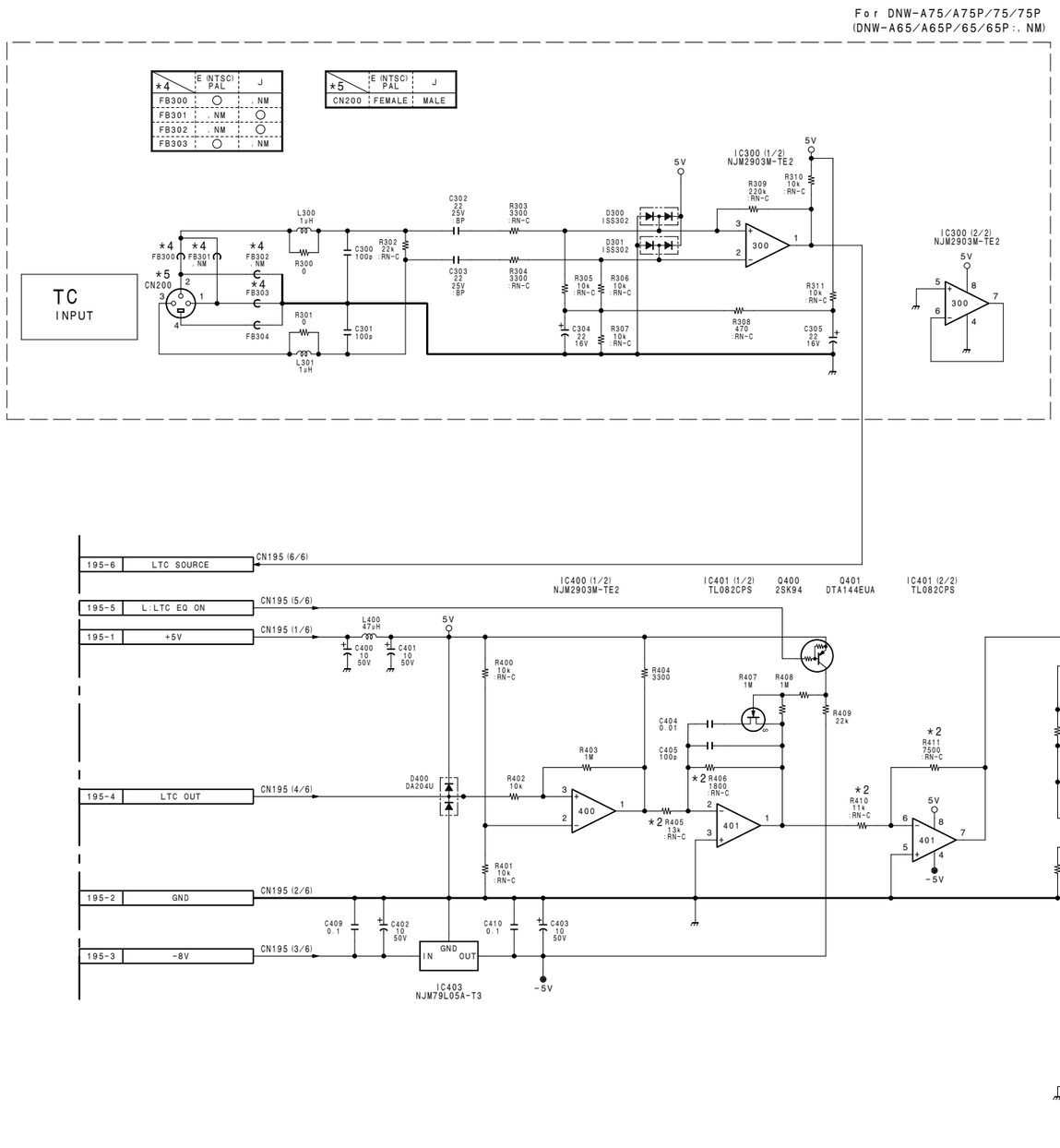
*4	E (NTSC) PAL	J
C130	56p	N.M
C131	56p	N.M
C230	56p	N.M
C231	56p	N.M
C330	56p	N.M
C331	56p	N.M
C430	56p	N.M
C431	56p	N.M

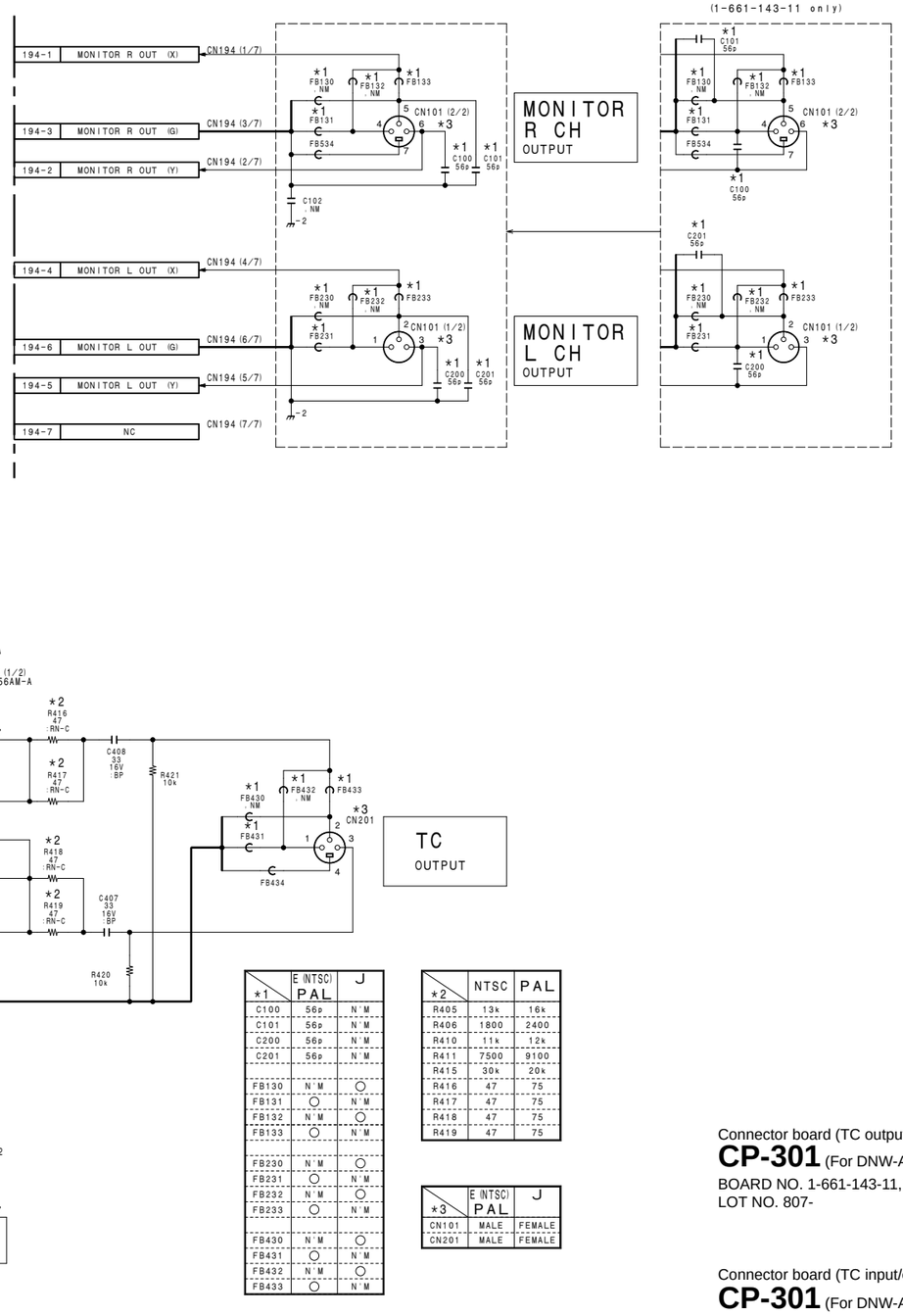
*5	E (NTSC) PAL	J
CN101	MALE	FEMALE
CN301	MALE	FEMALE

Connector board (Analog audio output)
CP-278 (For DNW-A65/A65P/65/65P)
BOARD NO. 1-661-142-11,12
LOT NO. 807-

Connector board (Analog audio input/output)
CP-278 (For DNW-A75/A75P/75/75P)
BOARD NO. 1-661-142-11,12
LOT NO. 804-
B-¥DNWA75-CP278-12/M

コネクタの接続先についてはFrame Wiring（3-220/224ページ）を参照。
Refer to the Farme Wiring (Page 3-220/224) in regard to destinations of connectors.





＊1	E (NTSC) PAL	J
C100	56p	N.M
C101	56p	N.M
C200	56p	N.M
C201	56p	N.M
FB130	N.M	○
FB131	○	N.M
FB132	N.M	○
FB133	○	N.M
FB230	N.M	○
FB231	○	N.M
FB232	N.M	○
FB233	○	N.M
FB430	N.M	○
FB431	○	N.M
FB432	N.M	○
FB433	○	N.M

＊2	NTSC	PAL
R405	13k	16k
R406	1800	2400
R410	11k	12k
R411	7500	9100
R415	30k	20k
R416	47	75
R417	47	75
R418	47	75
R419	47	75

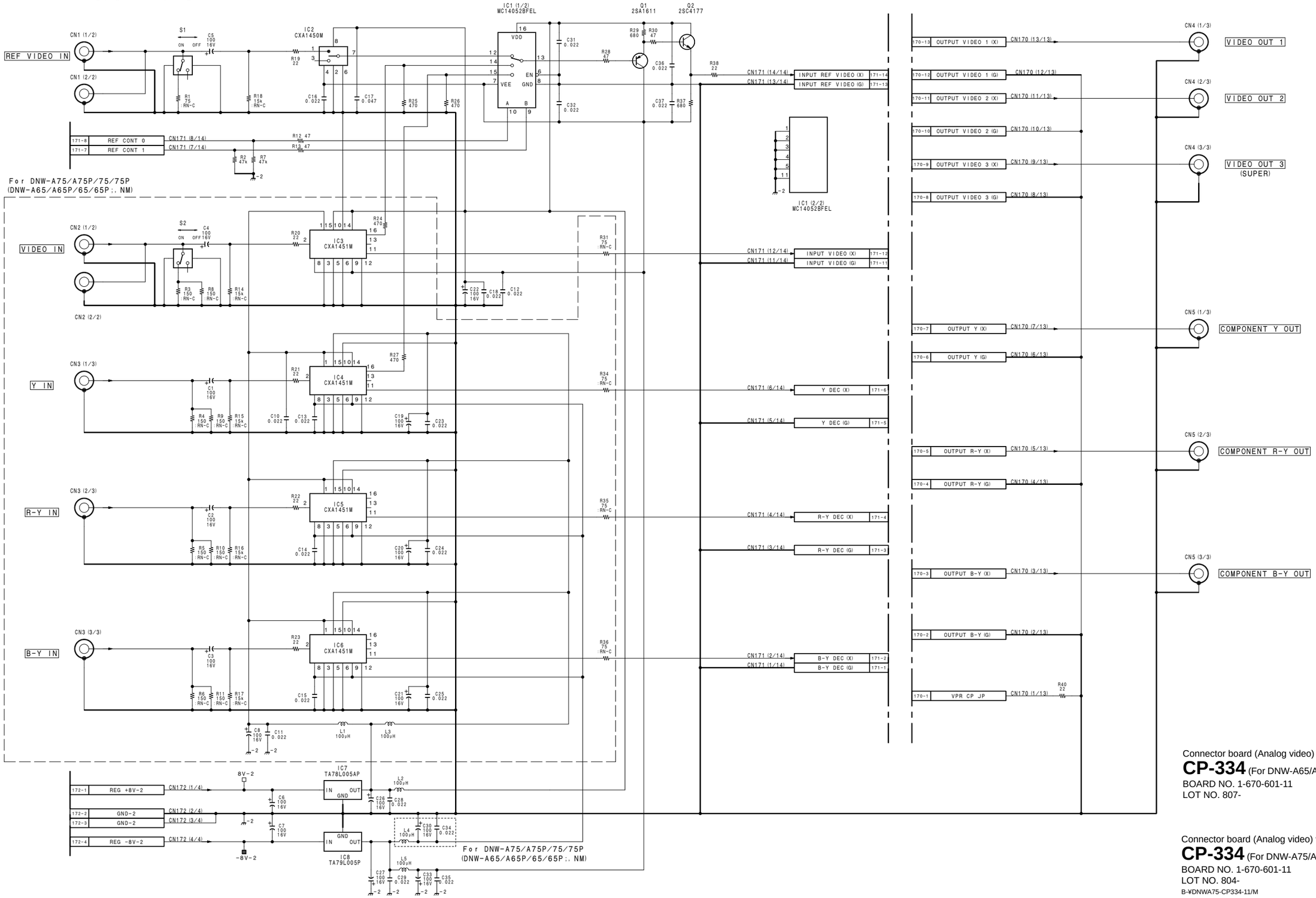
＊3	E (NTSC) PAL	J
CN101	MALE	FEMALE
CN201	MALE	FEMALE

Connector board (TC output, MONITOR output)
CP-301 (For DNW-A65/A65P/65/65P)
BOARD NO. 1-661-143-11,12
LOT NO. 807-

Connector board (TC input/output, MONITOR output)
CP-301 (For DNW-A75/A75P/75/75P)
BOARD NO. 1-661-143-11,12
LOT NO. 804-
B-¥DNWA75-CP301-12/M

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コネクタの接続先についてはFrame Wiring（3-220/224 ページ）を参照。
Refer to the Farme Wiring (Page 3-220/224) in regard to destinations of connectors.

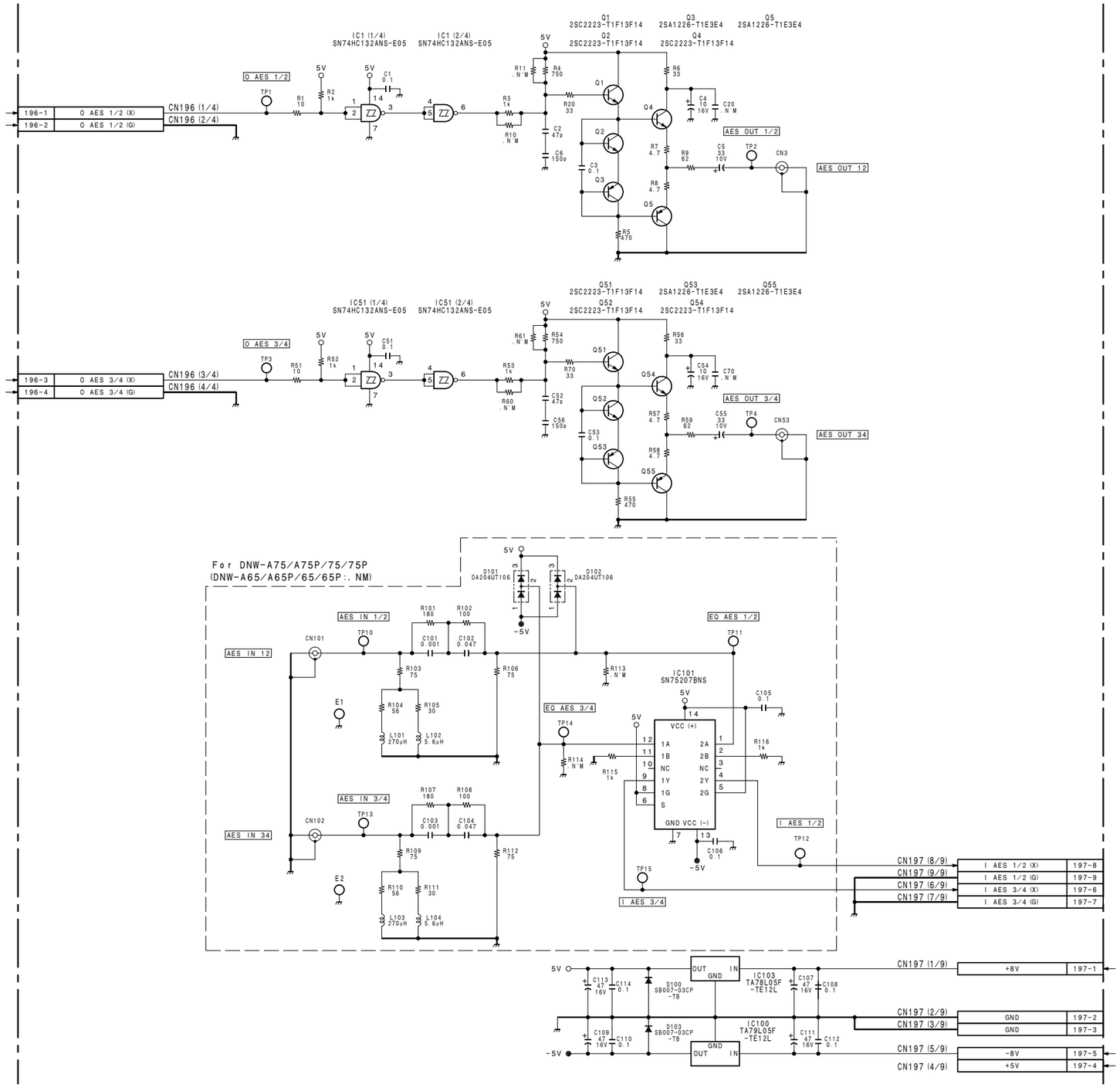


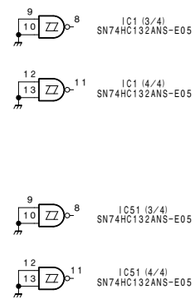
Connector board (Analog video) with output buffer
CP-334 (For DNW-A65/A65P/65/65P)
BOARD NO. 1-670-601-11
LOT NO. 807-

Connector board (Analog video) with input/output buffer
CP-334 (For DNW-A75/A75P/75/75P)
BOARD NO. 1-670-601-11
LOT NO. 804-

B-¥DNWA75-CP334-11/M

コネクタの接続先についてはFrame Wiring（3-220/224 ページ）を参照。
Refer to the Farme Wiring (Page 3-220/224 in regard to destinations of connectors.

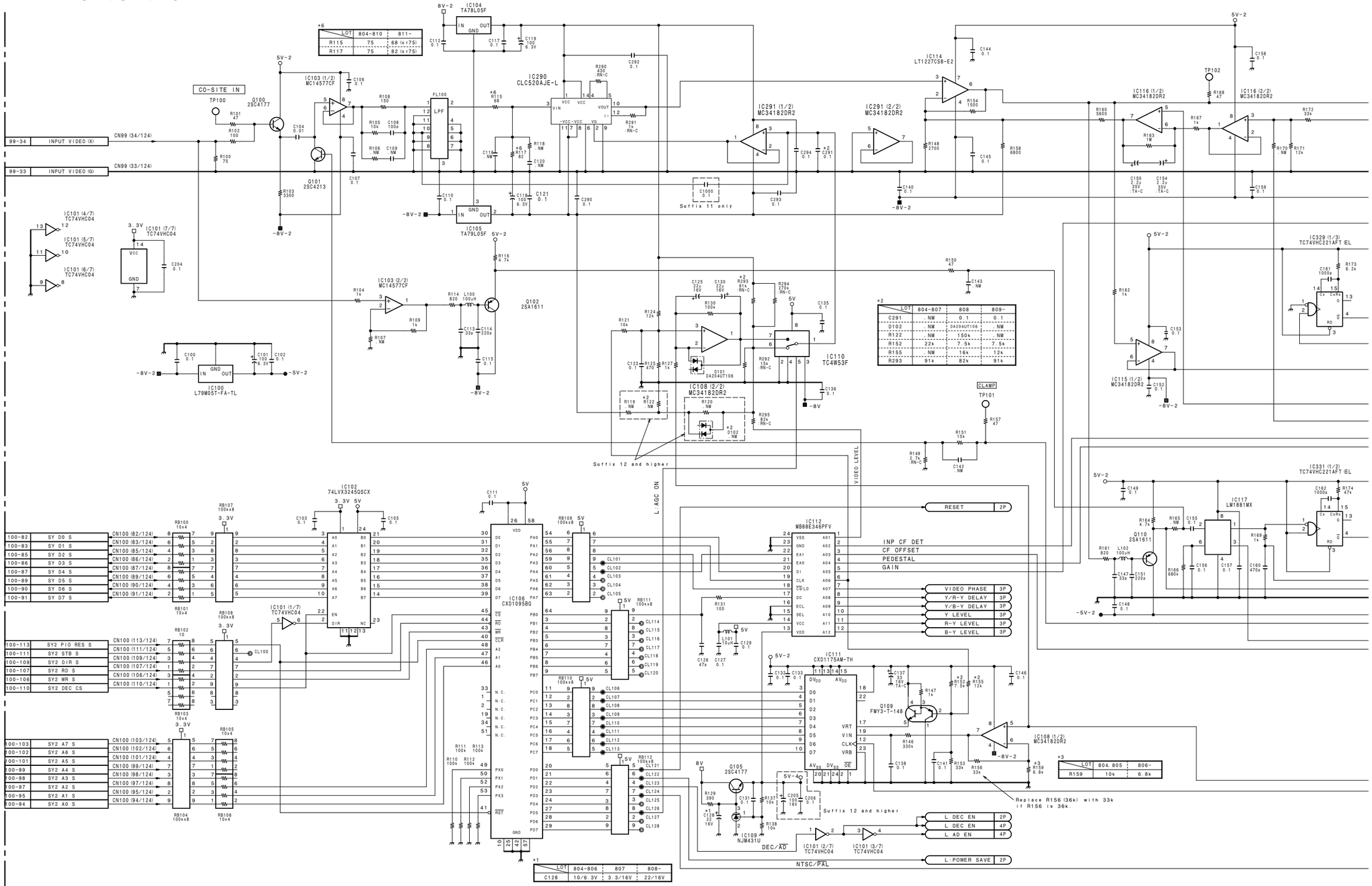


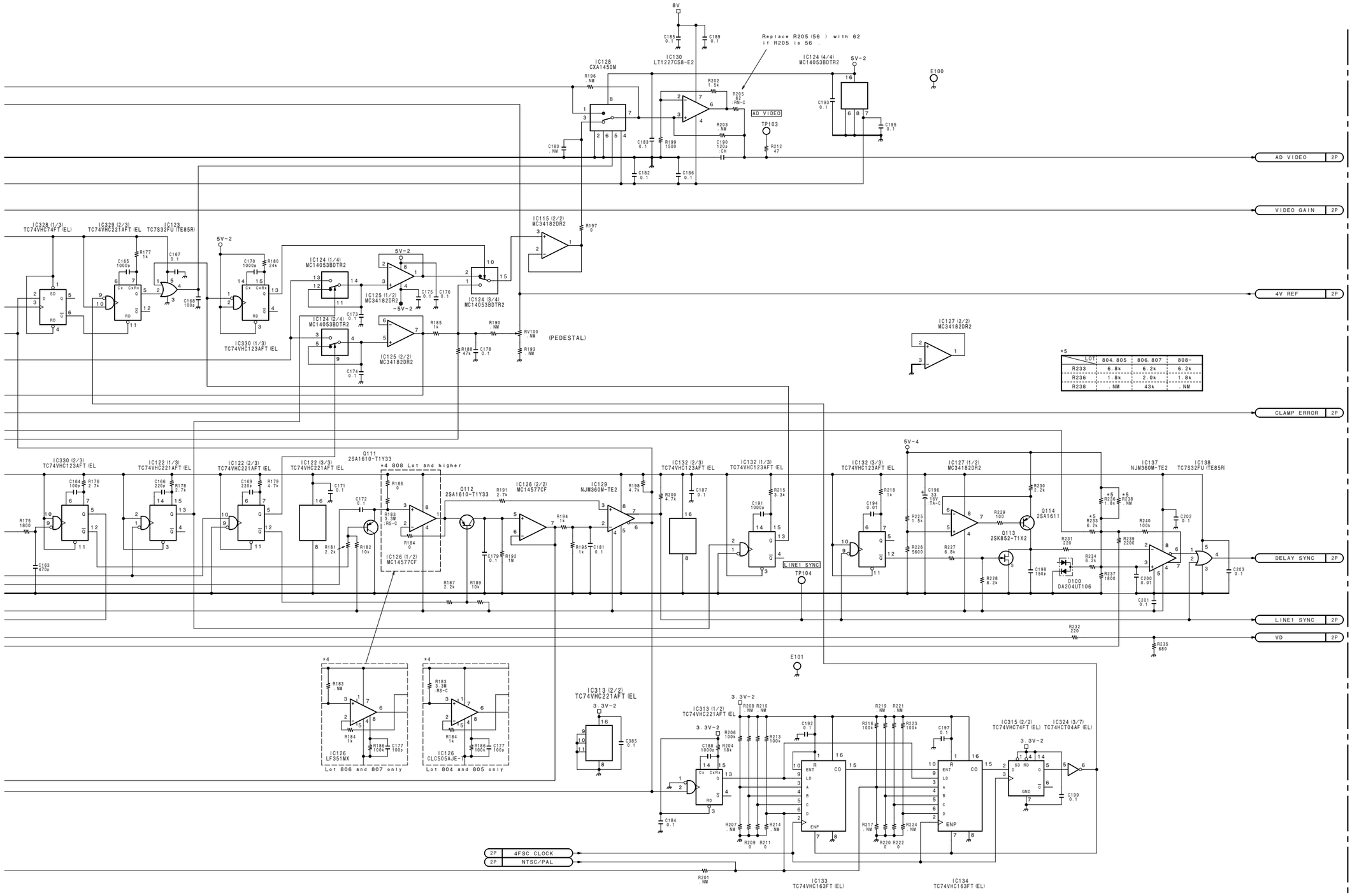


Connector board (AES/EBU output)
CP-335 (For DNW-A65/A65P/65/65P)
BOARD NO. 1-670-591-11
LOT NO. 807-

Connector board (AES/EBU input/output)
CP-335 (For DNW-A75/A75P/75/75P)
BOARD NO. 1-670-591-11
LOT NO. 804-
B-¥DNWA75-CP335-11/M

コネクタの接続先についてはMB-818基板回路図（3-98 ページ）を参照。
Refer to the MB-818 board schematic diagrams (Page 3-98) in regard to destinations of connectors.



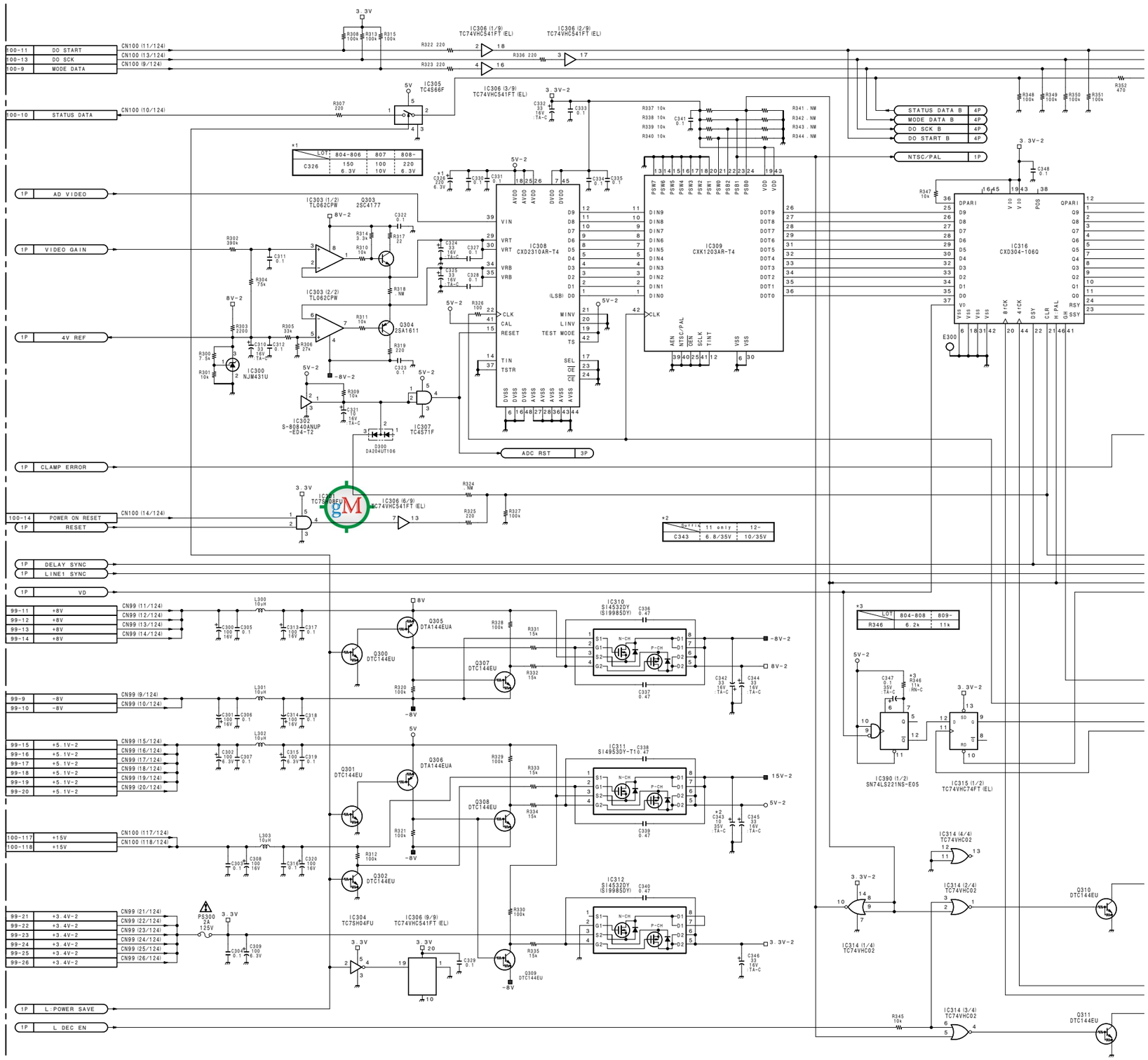


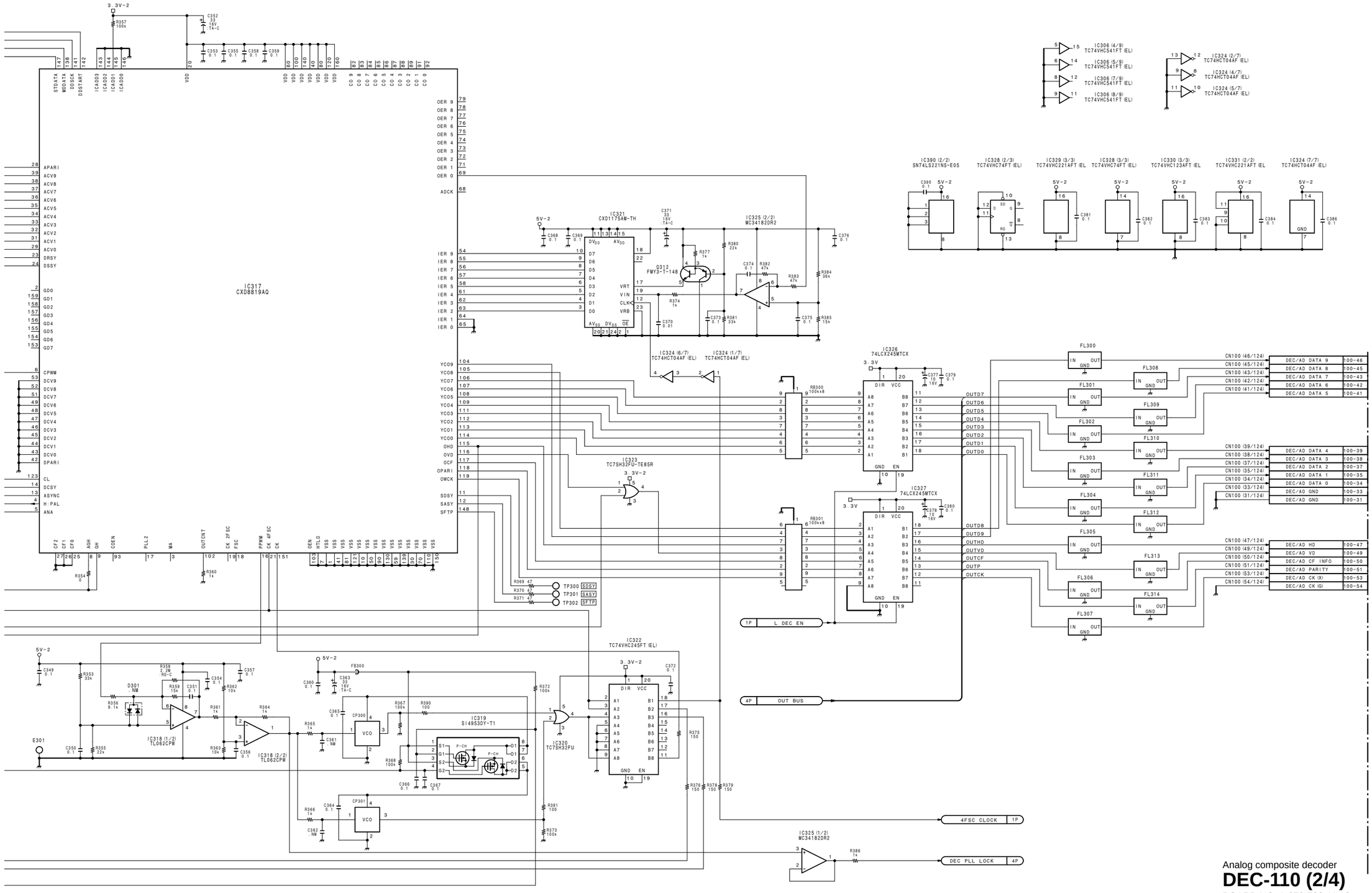
Analog composite decoder

DEC-110 (1/4)

BOARD NO. 1-670-592-11,12
LOT NO. 804-
B-¥DNWA75-DEC110-12/M

DEC-110 (2/4) DNW-75/75P

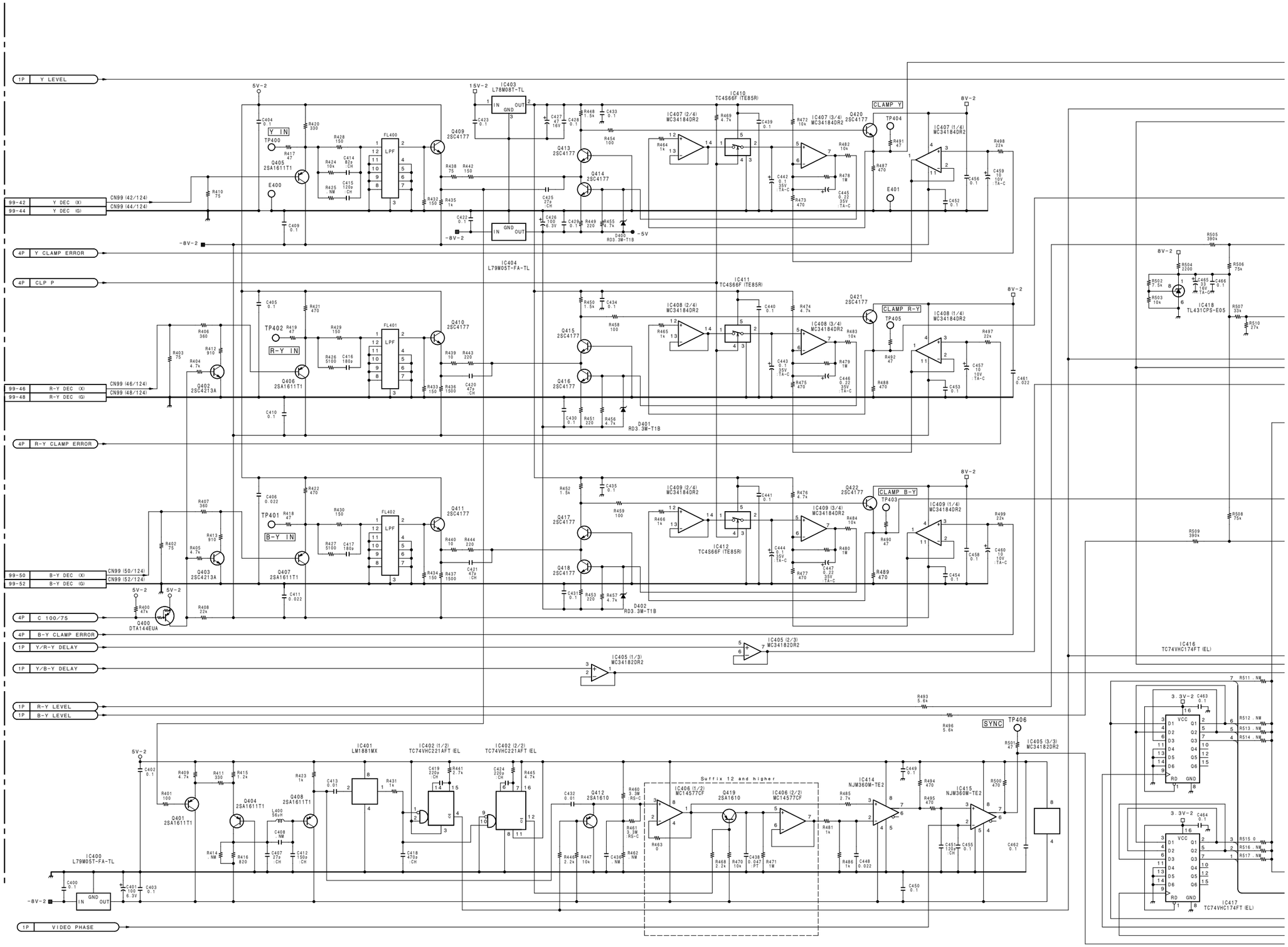


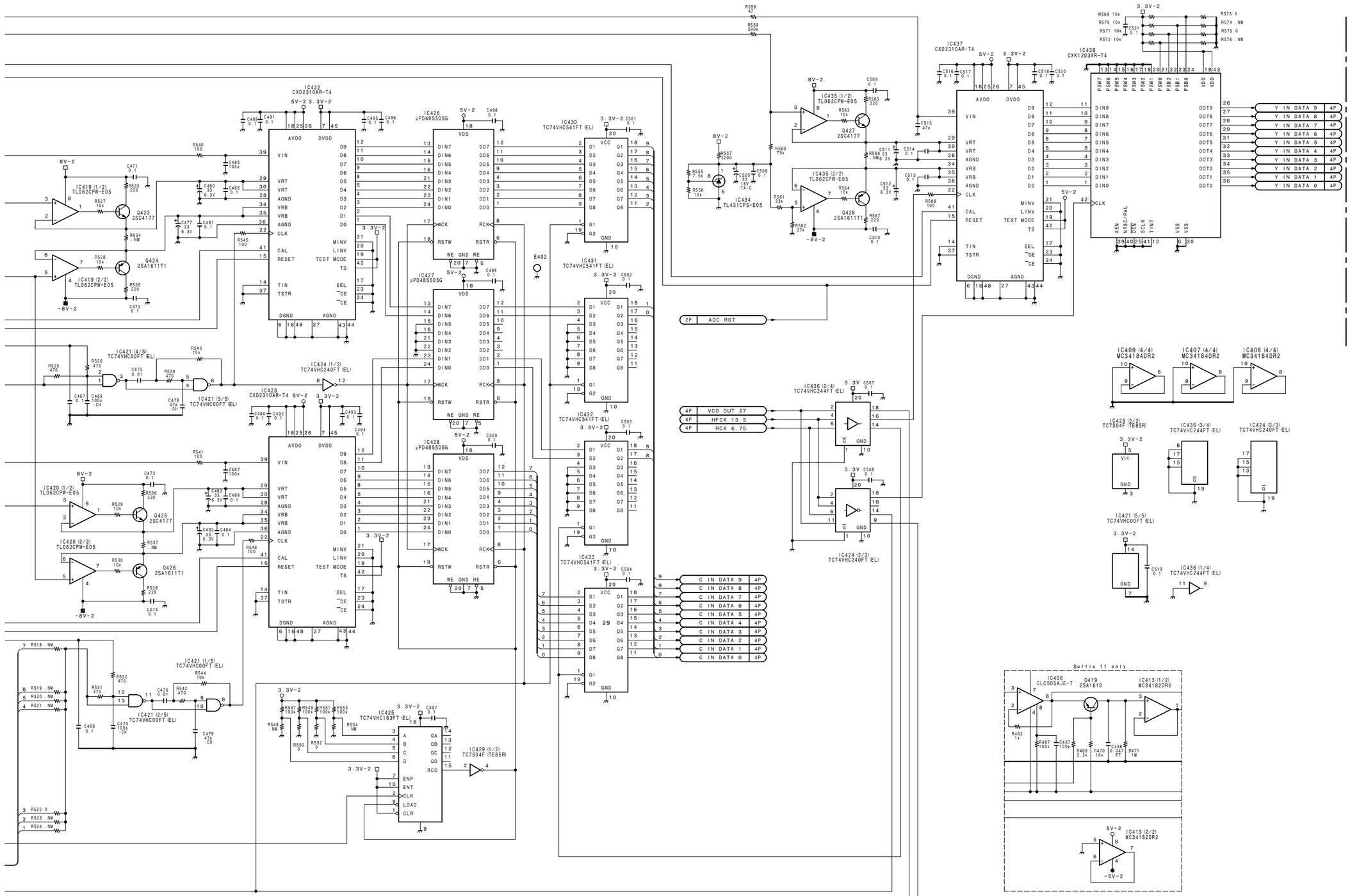


Analog composite decoder

DEC-110 (2/4)

BOARD NO. 1-670-592-11,12
LOT NO. 804-
B-¥DNWA75-DEC110-12/M

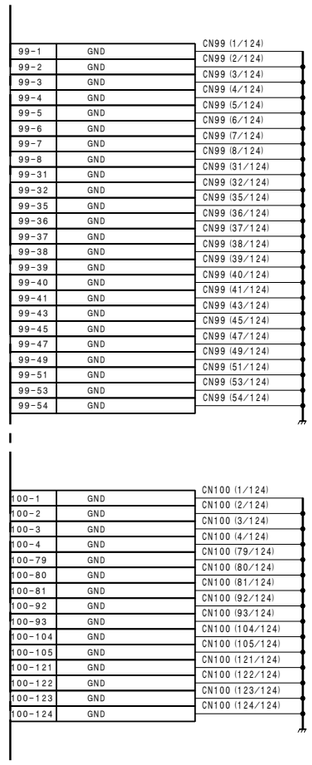

1P Y LEVEL
99-42 Y DEC (X)
99-44 Y DEC (G)
CN99 (42/124)
CN99 (44/124)
4P Y CLAMP ERROR
4P CLP P
99-46 R-Y DEC (X)
99-48 R-Y DEC (G)
CN99 (46/124)
CN99 (48/124)
4P R-Y CLAMP ERROR
99-50 B-Y DEC (X)
99-52 B-Y DEC (G)
CN99 (50/124)
CN99 (52/124)
4P C 100/75
4P B-Y CLAMP ERROR
1P Y/R-Y DELAY
1P Y/B-Y DELAY
1P R-Y LEVEL
1P B-Y LEVEL
1P VIDEO PHASE
Y IN
R-Y IN
B-Y IN
CLAMP Y
CLAMP R-Y
CLAMP B-Y
SYNC
IC403 L78M08T-TL
IC404 L79M05T-FA-TL
IC400 L79M05T-FA-TL
IC401 LM1881MX
IC402 (1/2) TC74VHC221AFT (EL)
IC402 (2/2) TC74VHC221AFT (EL)
IC405 (1/3) MC34182DR2
IC405 (2/3) MC34182DR2
IC405 (3/3) MC34182DR2
IC406 (1/2) MC14577CF
IC406 (2/2) MC14577CF
IC407 (2/4) MC34184DR2
IC407 (3/4) MC34184DR2
IC407 (1/4) MC34184DR2
IC408 (2/4) MC34184DR2
IC408 (3/4) MC34184DR2
IC408 (1/4) MC34184DR2
IC409 (2/4) MC34184DR2
IC409 (3/4) MC34184DR2
IC409 (1/4) MC34184DR2
IC410 TC4S66F (TE85R)
IC411 TC4S66F (TE85R)
IC412 TC4S66F (TE85R)
IC414 NJM360M-TE2
IC415 NJM360M-TE2
IC416 TC74VHC174FT (EL)
IC417 TC74VHC174FT (EL)
IC418 TL431CPS-E05
Suffix 12 and higher
Q400 DTA144EUA
Q401 2SA1611T1
Q402 2SC4213A
Q403 2SC4213A
Q404 2SA1611T1
Q405 2SA1611T1
Q406 2SA1611T1
Q407 2SA1611T1
Q408 2SA1611T1
Q409 2SC4177
Q410 2SC4177
Q411 2SC4177
Q412 2SA1610
Q413 2SC4177
Q414 2SC4177
Q415 2SC4177
Q416 2SC4177
Q417 2SC4177
Q418 2SC4177
Q419 2SA1610
Q420 2SC4177
Q421 2SC4177
Q422 2SC4177
D400 RD3.3M-T1B
D401 RD3.3M-T1B
D402 RD3.3M-T1B
TP400
TP401
TP402
TP403
TP404
TP405
TP406
E400
E401
LPF
FL400
FL401
FL402

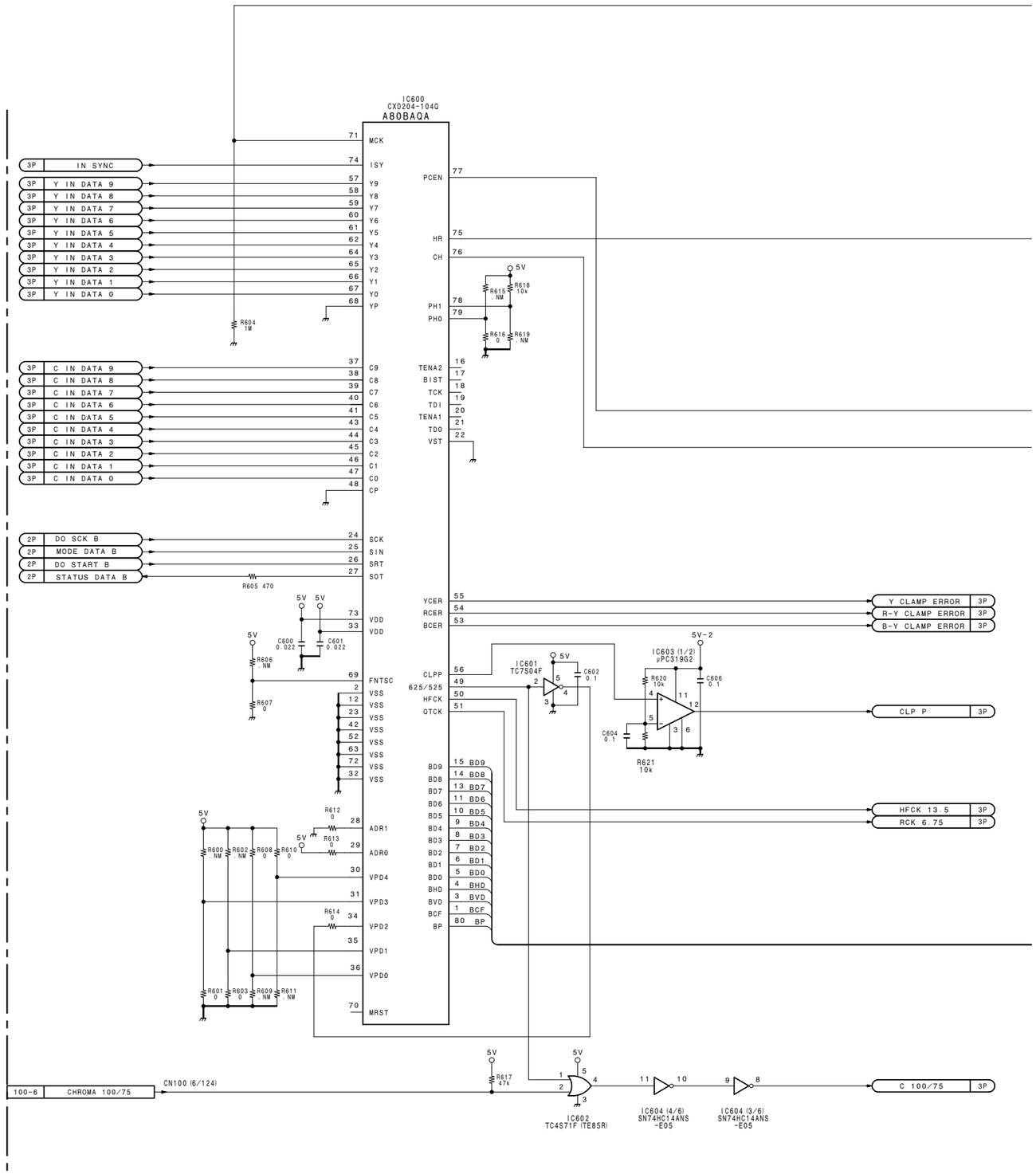


Analog composite decoder

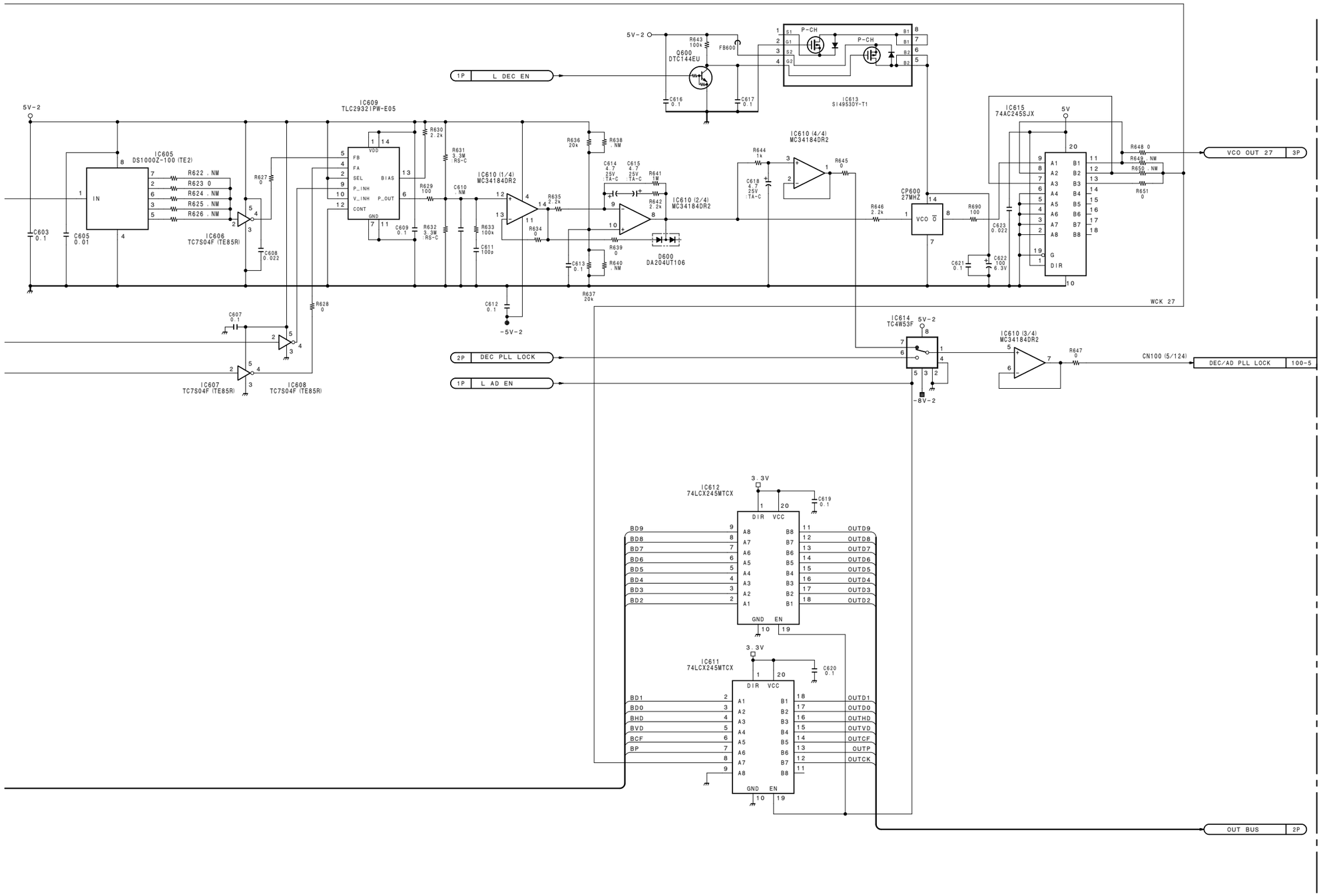
DEC-110 (3/4)

BOARD NO. 1-670-592-11,12
LOT NO. 804-
B-¥DNWA75-DEC110-12/M


99-1 GND CN99 (1/124)
99-2 GND CN99 (2/124)
99-3 GND CN99 (3/124)
99-4 GND CN99 (4/124)
99-5 GND CN99 (5/124)
99-6 GND CN99 (6/124)
99-7 GND CN99 (7/124)
99-8 GND CN99 (8/124)
99-31 GND CN99 (31/124)
99-32 GND CN99 (32/124)
99-35 GND CN99 (35/124)
99-36 GND CN99 (36/124)
99-37 GND CN99 (37/124)
99-38 GND CN99 (38/124)
99-39 GND CN99 (39/124)
99-40 GND CN99 (40/124)
99-41 GND CN99 (41/124)
99-43 GND CN99 (43/124)
99-45 GND CN99 (45/124)
99-47 GND CN99 (47/124)
99-49 GND CN99 (49/124)
99-51 GND CN99 (51/124)
99-53 GND CN99 (53/124)
99-54 GND
100-1 GND CN100 (1/124)
100-2 GND CN100 (2/124)
100-3 GND CN100 (3/124)
100-4 GND CN100 (4/124)
100-79 GND CN100 (79/124)
100-80 GND CN100 (80/124)
100-81 GND CN100 (81/124)
100-92 GND CN100 (92/124)
100-93 GND CN100 (93/124)
100-104 GND CN100 (104/124)
100-105 GND CN100 (105/124)
100-121 GND CN100 (121/124)
100-122 GND CN100 (122/124)
100-123 GND CN100 (123/124)
100-124 GND CN100 (124/124)


IC600
CXD2041040
A80BAQA
3P IN SYNC
3P Y IN DATA 9
3P Y IN DATA 8
3P Y IN DATA 7
3P Y IN DATA 6
3P Y IN DATA 5
3P Y IN DATA 4
3P Y IN DATA 3
3P Y IN DATA 2
3P Y IN DATA 1
3P Y IN DATA 0
R604 1M
3P C IN DATA 9
3P C IN DATA 8
3P C IN DATA 7
3P C IN DATA 6
3P C IN DATA 5
3P C IN DATA 4
3P C IN DATA 3
3P C IN DATA 2
3P C IN DATA 1
3P C IN DATA 0
2P DO SCK B
2P MODE DATA B
2P DO START B
2P STATUS DATA B
R605 470
5V
C600 0.022
C601 0.022
R606 NM
R607 0
R612 0
R613 0
R600 NM
R602 NM
R608 0
R610 0
R614 0
R601 0
R603 0
R609 NM
R611 NM
MCK
ISY
Y9
Y8
Y7
Y6
Y5
Y4
Y3
Y2
Y1
Y0
YP
C9
C8
C7
C6
C5
C4
C3
C2
C1
C0
CP
SCK
SIN
SRT
SOT
VDD
VSS
FNTSC
ADR1
ADR0
VPD4
VPD3
VPD2
VPD1
VPD0
MRST
PCEN
HR
CH
PH1
PH0
TENA2
BIST
TCK
TDI
TENA1
TDO
VST
R615 NM
R618 10k
R616 0
R619 NM
YCER
RCER
BCER
CLPP
625/525
HFCK
QTCK
BD9
BD8
BD7
BD6
BD5
BD4
BD3
BD2
BD1
BD0
BHD
BVD
BCF
BP
IC601 TC7S04F
C602 0.1
IC603 (1/2) µPC319G2
R620 10k
C606 0.1
C604 0.1
R621 10k
5V-2
Y CLAMP ERROR 3P
R-Y CLAMP ERROR 3P
B-Y CLAMP ERROR 3P
CLP P 3P
HFCK 13.5 3P
RCK 6.75 3P
100-6 CHROMA 100/75
CN100 (6/124)
R617 47k
IC602 TC4S71F (TE85R)
IC604 (4/6) SN74HC14ANS -E05
IC604 (3/6) SN74HC14ANS -E05
C 100/75 3P

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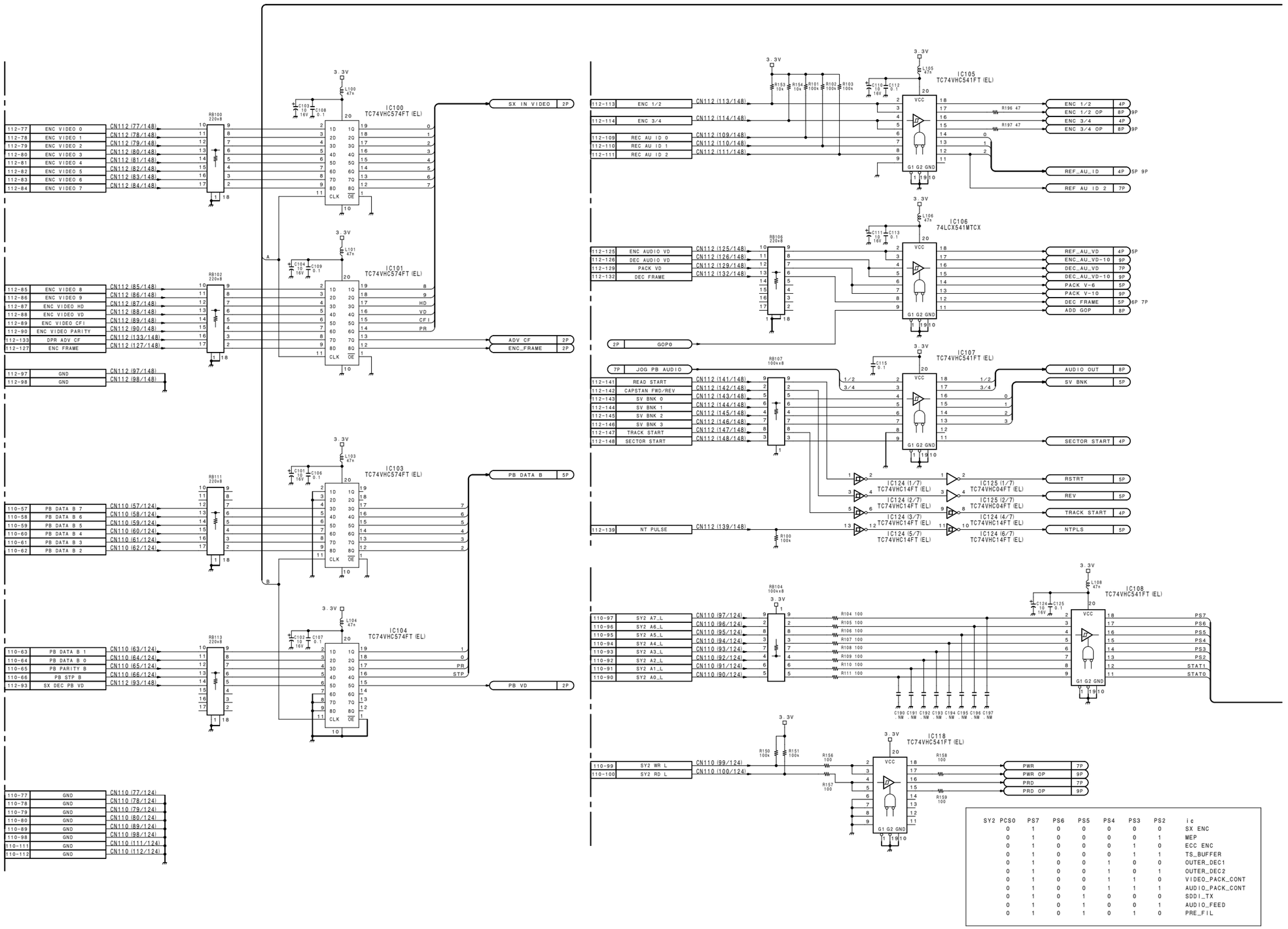


Analog composite decoder

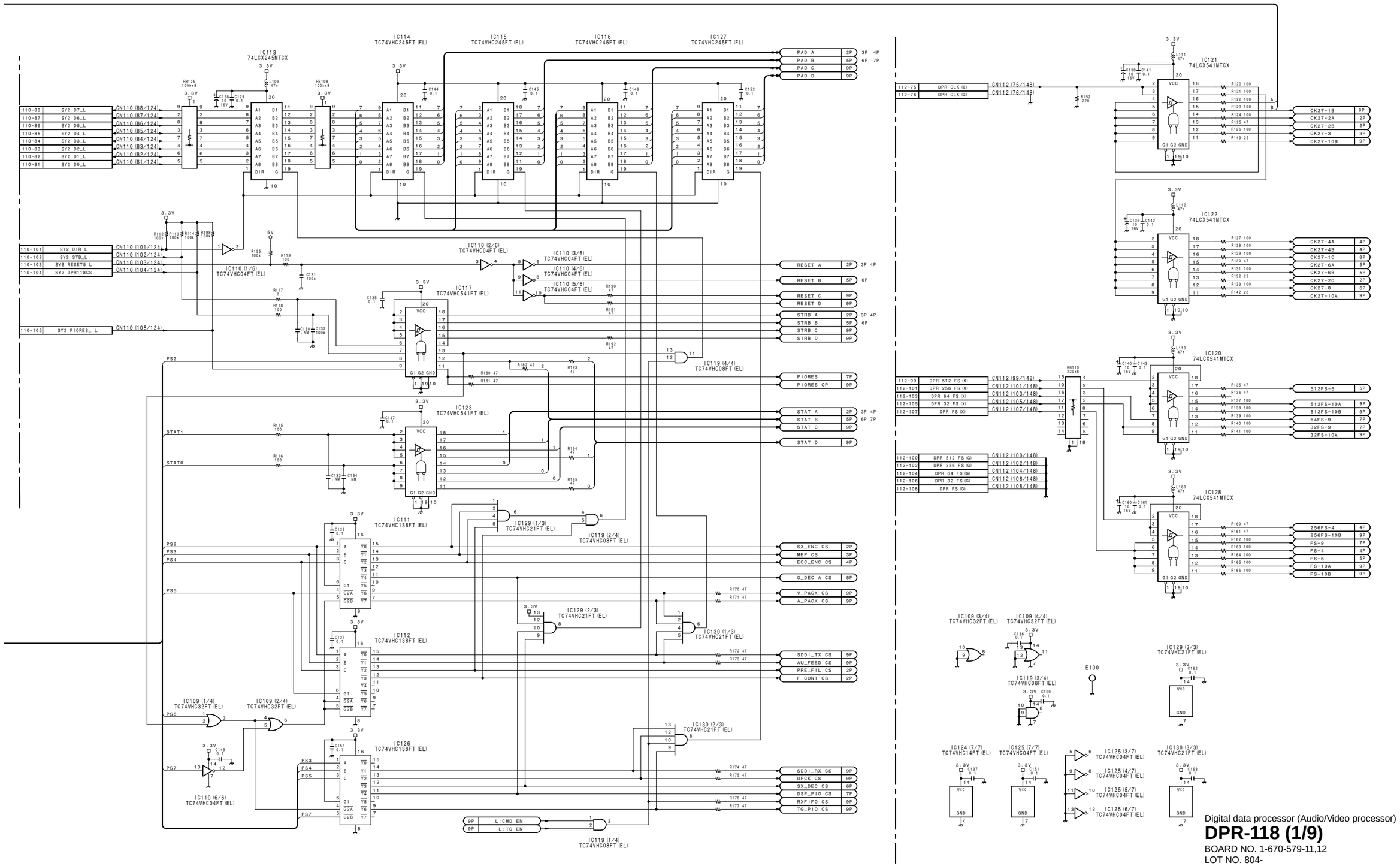
DEC-110 (4/4)

BOARD NO. 1-670-592-11,12
LOT NO. 804-
B-¥DNWA75-DEC110-12/M

コネクタの接続先についてはMB-818基板回路図（3-98 ページ）を参照。
Refer to the MB-818 board schematic diagrams (Page 3-98) in regard to destinations of connectors.



SY2 PCS0	PS7	PS6	PS5	PS4	PS3	PS2	ic
0	1	0	0	0	0	0	SX ENC
0	1	0	0	0	0	1	MEP
0	1	0	0	0	1	0	ECC ENC
0	1	0	0	0	1	1	TS_BUFFER
0	1	0	0	1	0	0	OUTER_DEC1
0	1	0	0	1	0	1	OUTER_DEC2
0	1	0	0	1	1	0	VIDEO_PACK_CONT
0	1	0	0	1	1	1	AUDIO_PACK_CONT
0	1	0	1	0	0	0	SDDI_TX
0	1	0	1	0	0	1	AUDIO_FEED
0	1	0	1	0	1	0	PRE_FIL



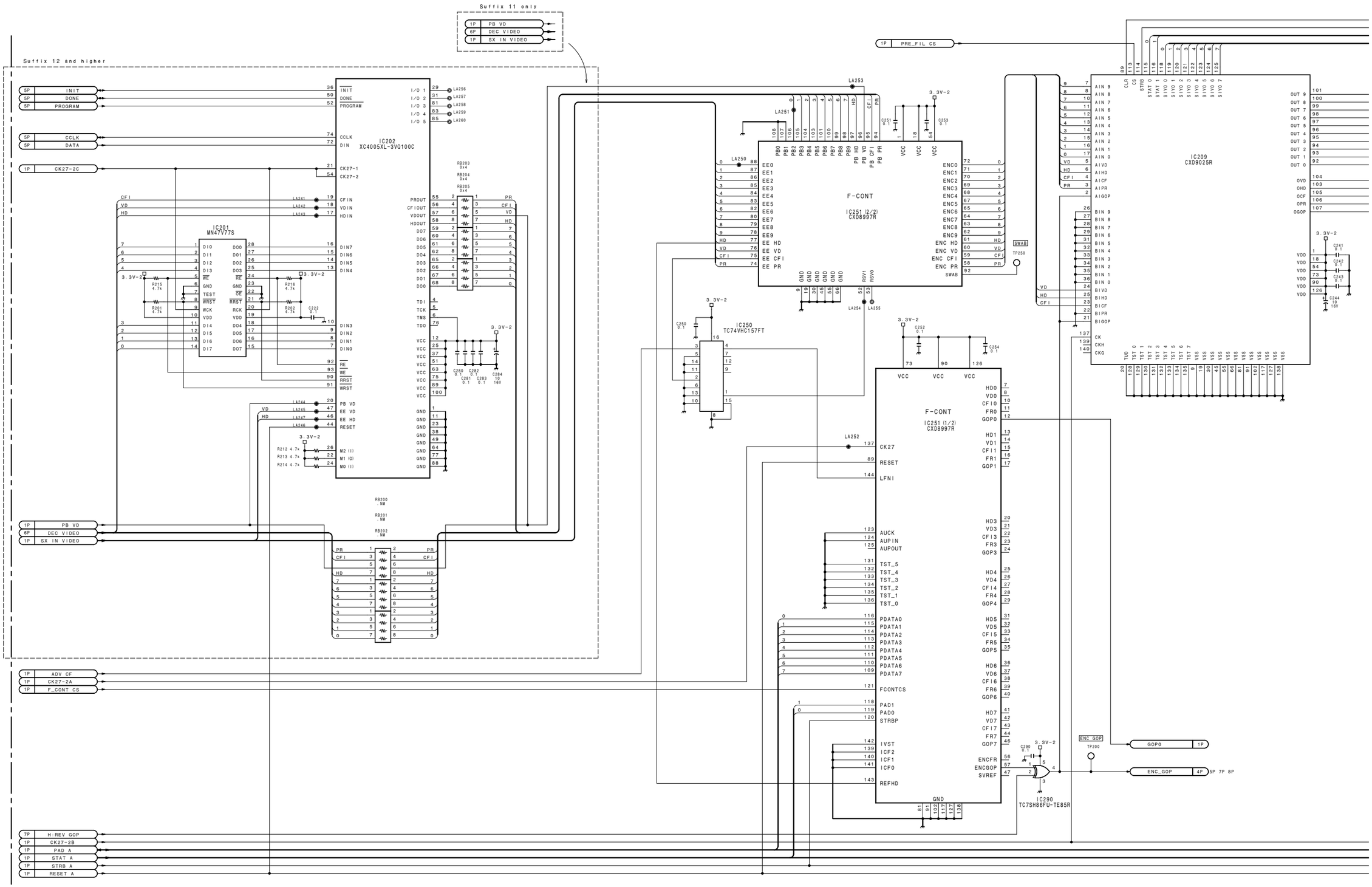
Digital data processor (Audio/Video processor)

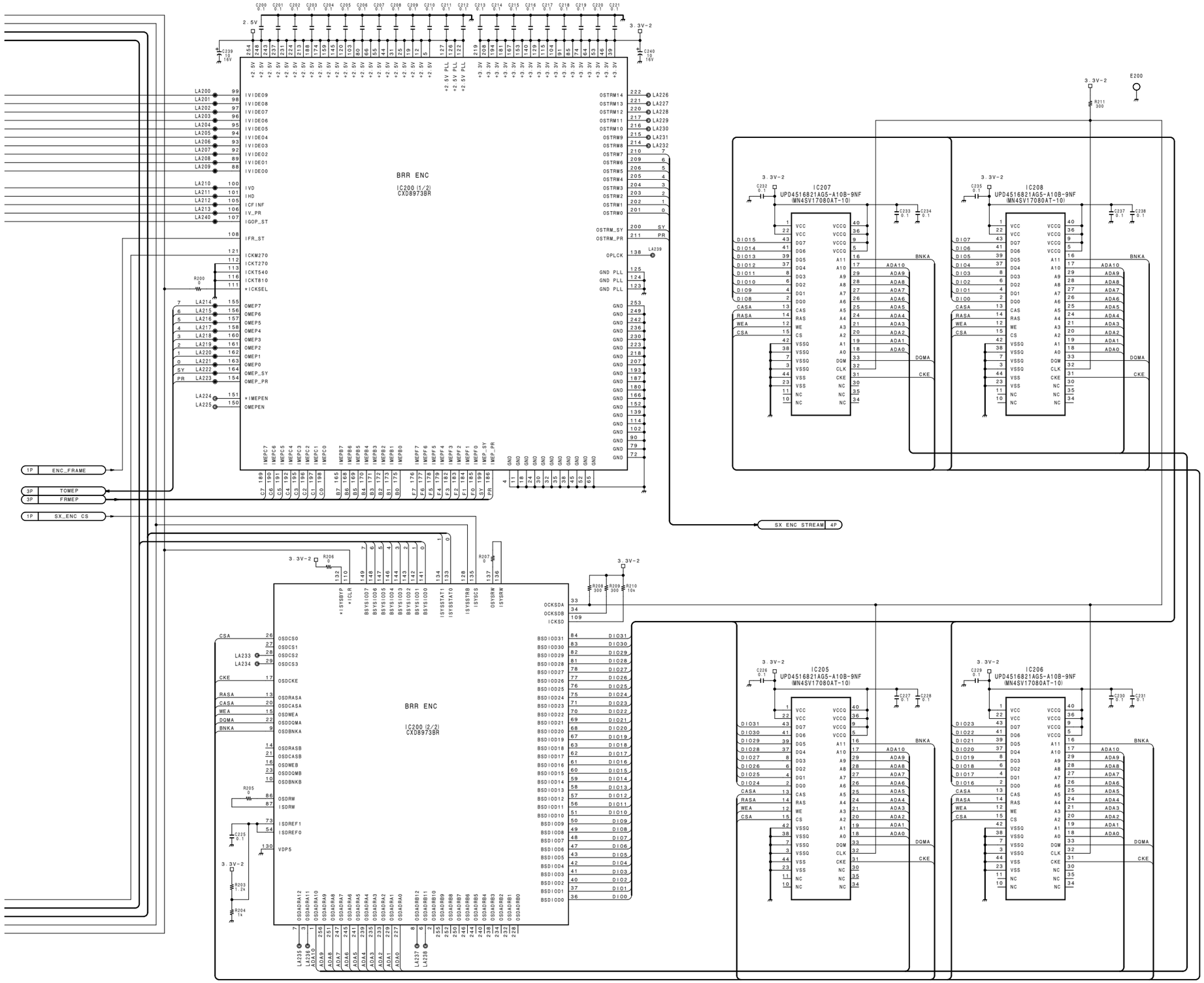
DPR-118 (1/9)

BOARD NO. 1-670-579-11,12
LOT NO. 804-

B-¥DNWA75-DPR118-12/M

DPR-118 (2/9) DNW-75/75P



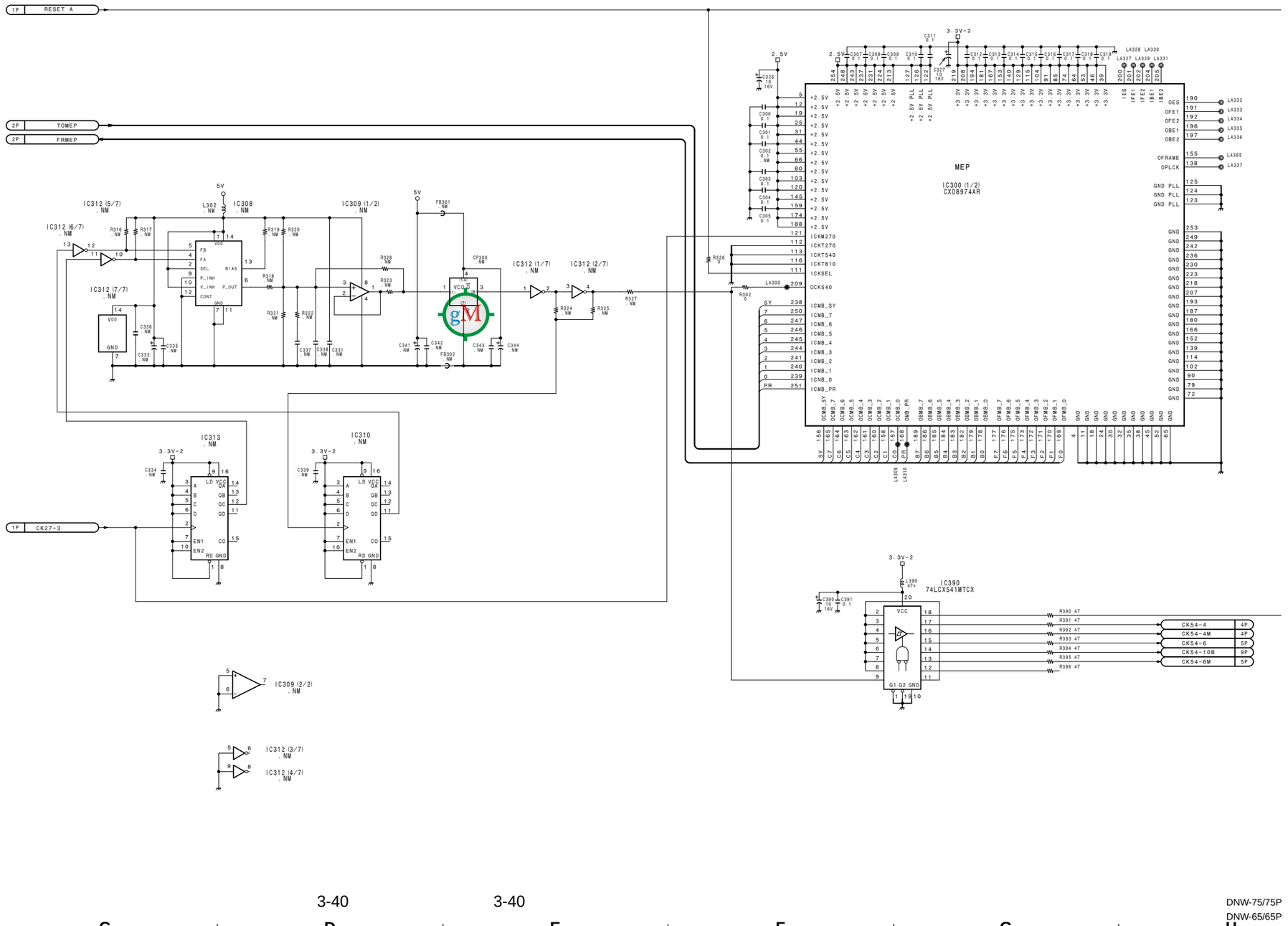


Digital data processor (Audio/Video processor)

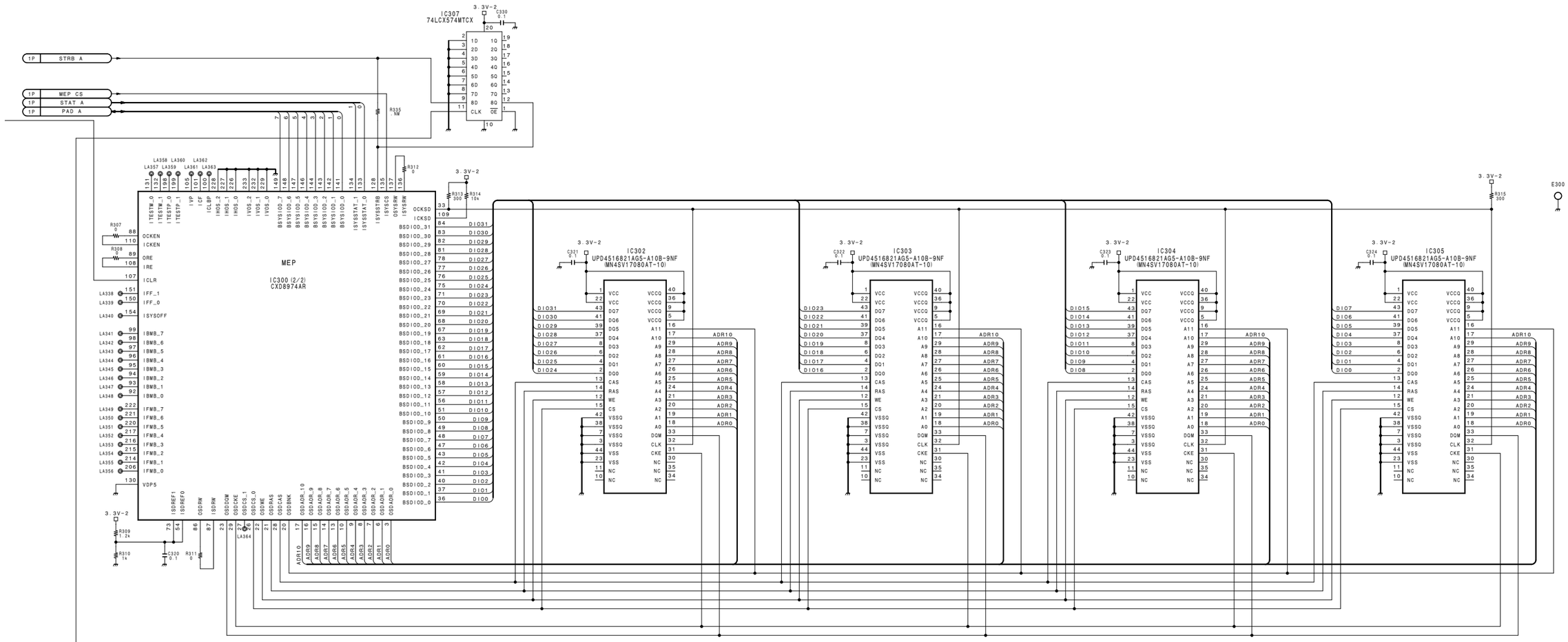
DPR-118 (2/9)

BOARD NO. 1-670-579-11,12
LOT NO. 804-
B-¥DNWA75-DPR118-12/M

DPR-118 (3/9) DNW-75/75P



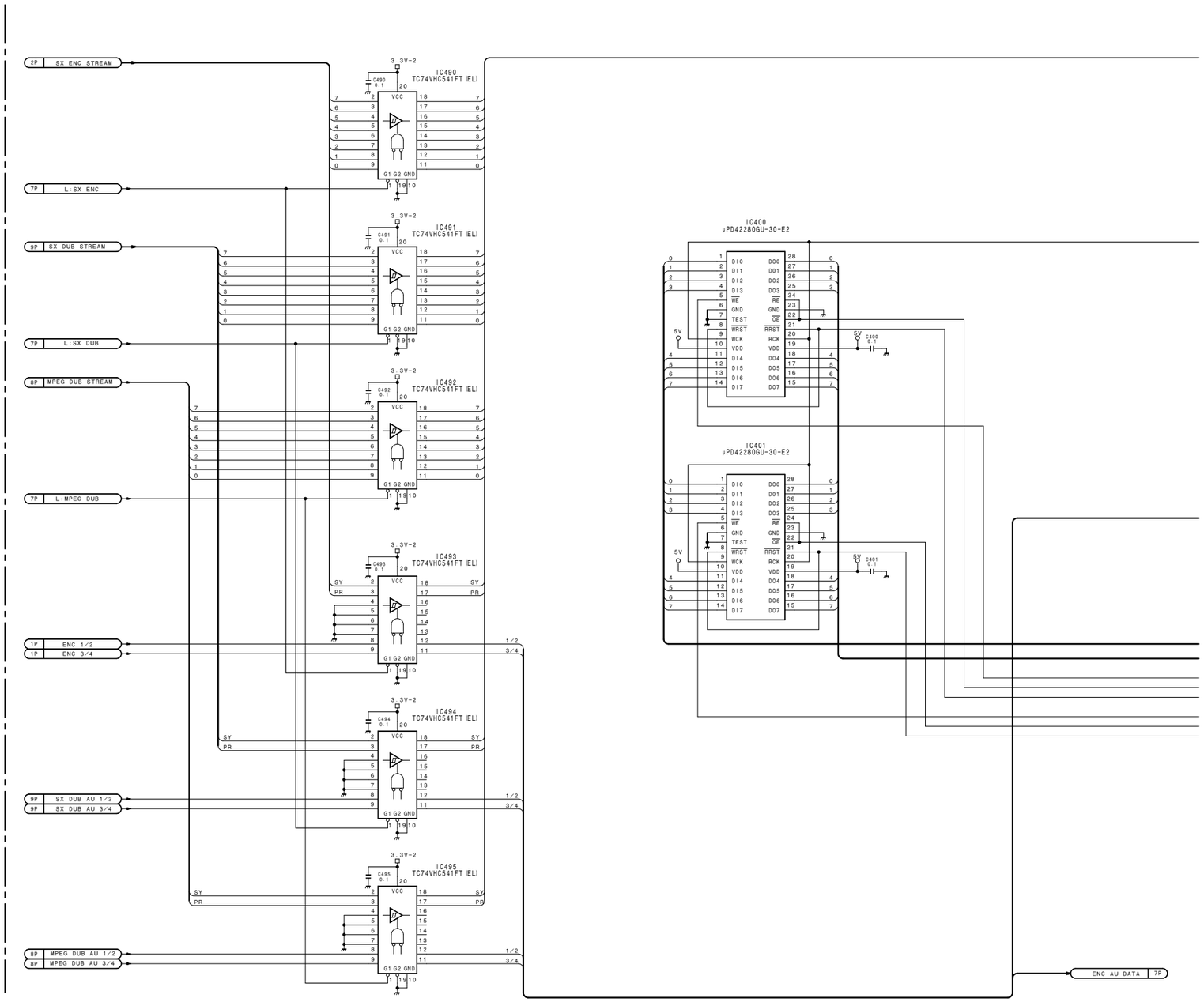
3-40

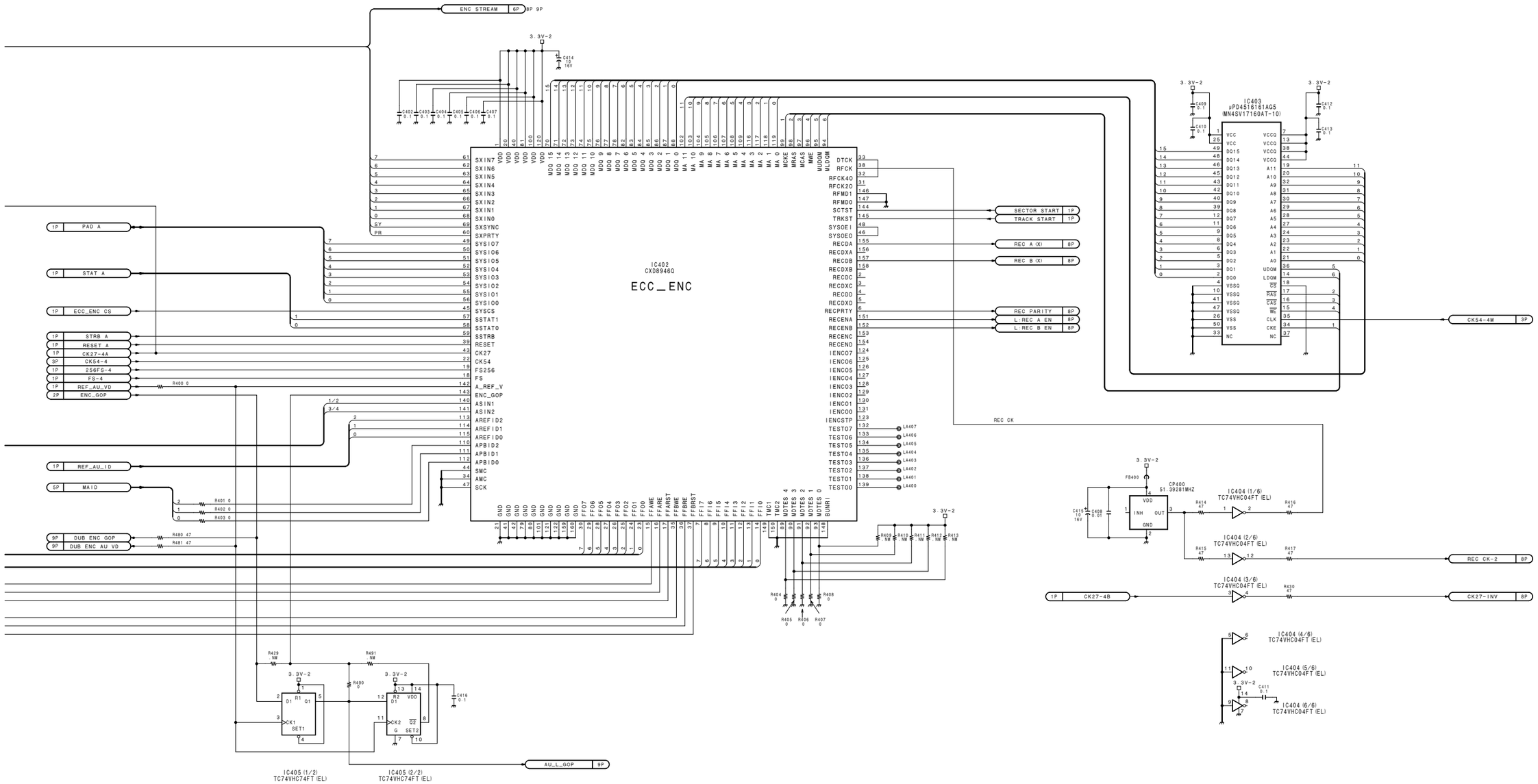


Digital data processor (Audio/Video processor)

DPR-118 (3/9)

BOARD NO. 1-670-579-11,12
LOT NO. 804-
B-¥DNWA75-DPR118-12/M


IC490
TC74VHC541FT (EL)
IC491
TC74VHC541FT (EL)
IC492
TC74VHC541FT (EL)
IC493
TC74VHC541FT (EL)
IC494
TC74VHC541FT (EL)
IC495
TC74VHC541FT (EL)
IC400
μPD42280GU-30-E2
IC401
μPD42280GU-30-E2
3P SX ENC STREAM
7P L:SX ENC
9P SX DUB STREAM
7P L:SX DUB
8P MPEG DUB STREAM
7P L:MPEG DUB
1P ENC 1/2
1P ENC 3/4
9P SX DUB AU 1/2
9P SX DUB AU 3/4
8P MPEG DUB AU 1/2
8P MPEG DUB AU 3/4
ENC AU DATA 7P
3.3V-2
5V

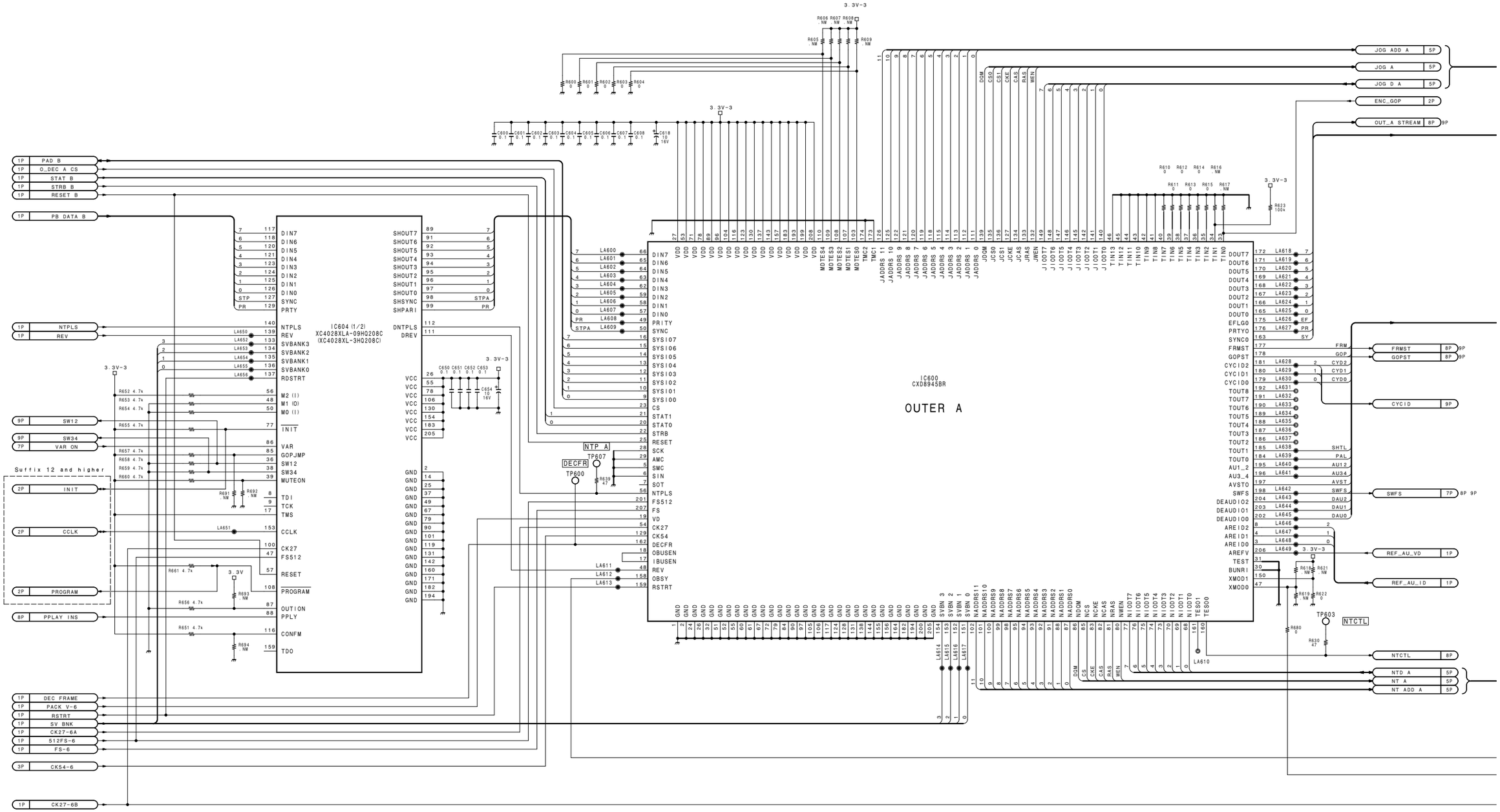


Digital data processor (Audio/Video processor)

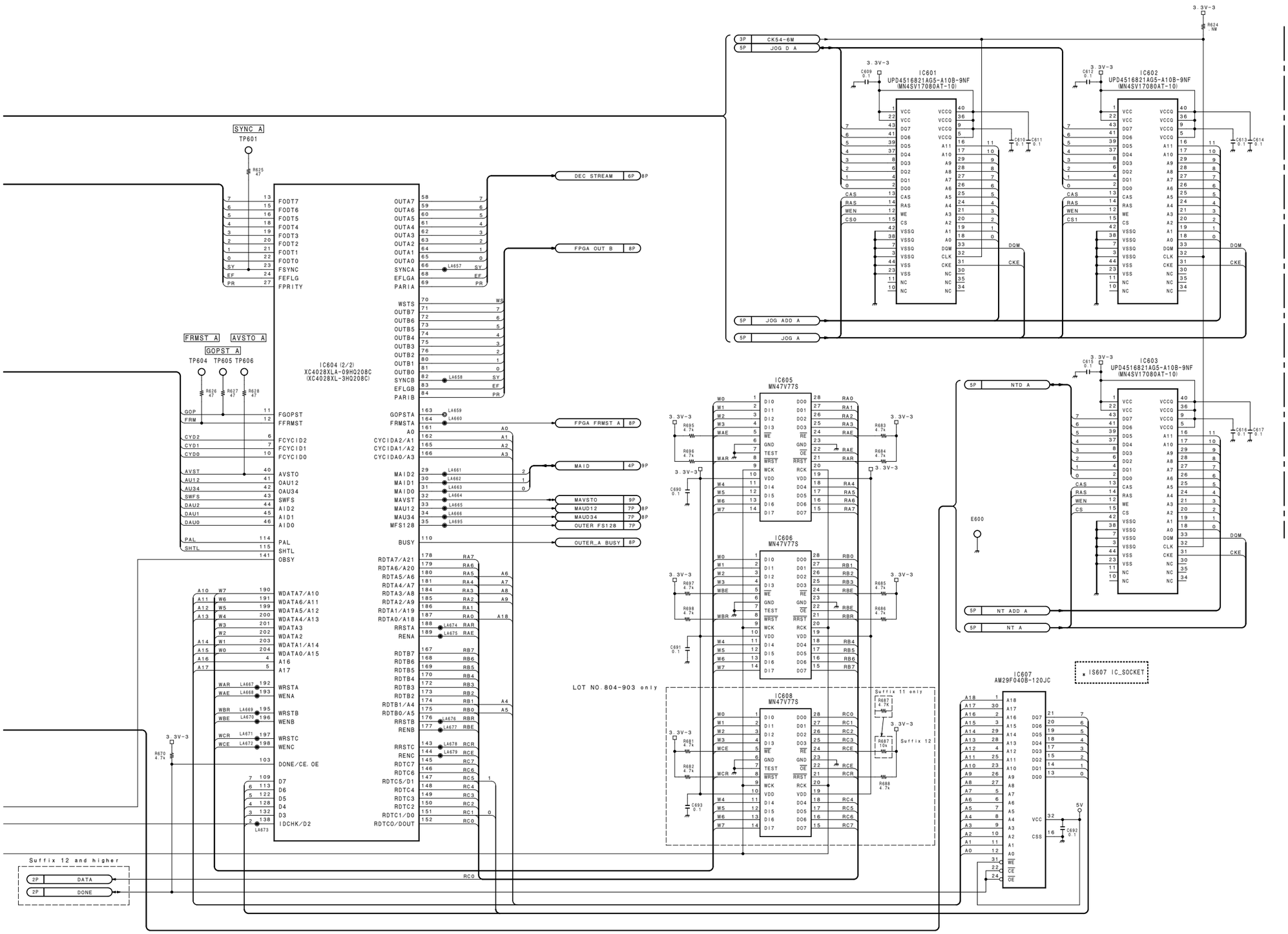
DPR-118 (4/9)

BOARD NO. 1-670-579-11,12
LOT NO. 804-

B-¥DNWA75-DPR118-12/M


IC604 (1/2)
XC4028XLA-09HQ208C
(XC4028XL-3HQ208C)
IC600
CXD8945BR
OUTER A
3.3V-3
PAD_B
O_DEC_A_CS
STAT_B
STRB_B
RESET_B
PB_DATA_B
NTPLS
REV
SW12
SW34
VAR_ON
INIT
CCLK
PROGRAM
PPLAY_INS
DEC_FRAME
PACK_V-6
RSTRT
SV_BNK
CK27-6A
512FS-6
FS-6
CK54-6
CK27-6B
JOG_ADD_A
JOG_A
JOG_D_A
ENC_GOP
OUT_A_STREAM
FRMST
GOPST
CYCID
SHTL
PAL
AU12
AU34
AVST
SWFS
DAU2
DAU1
DAU0
REF_AU_VD
REF_AU_ID
NTCTL
NTD_A
NT_A
NT_ADD_A
NTP_A
DECFR
TP600
TP603
TP607
Suffix 12 and higher

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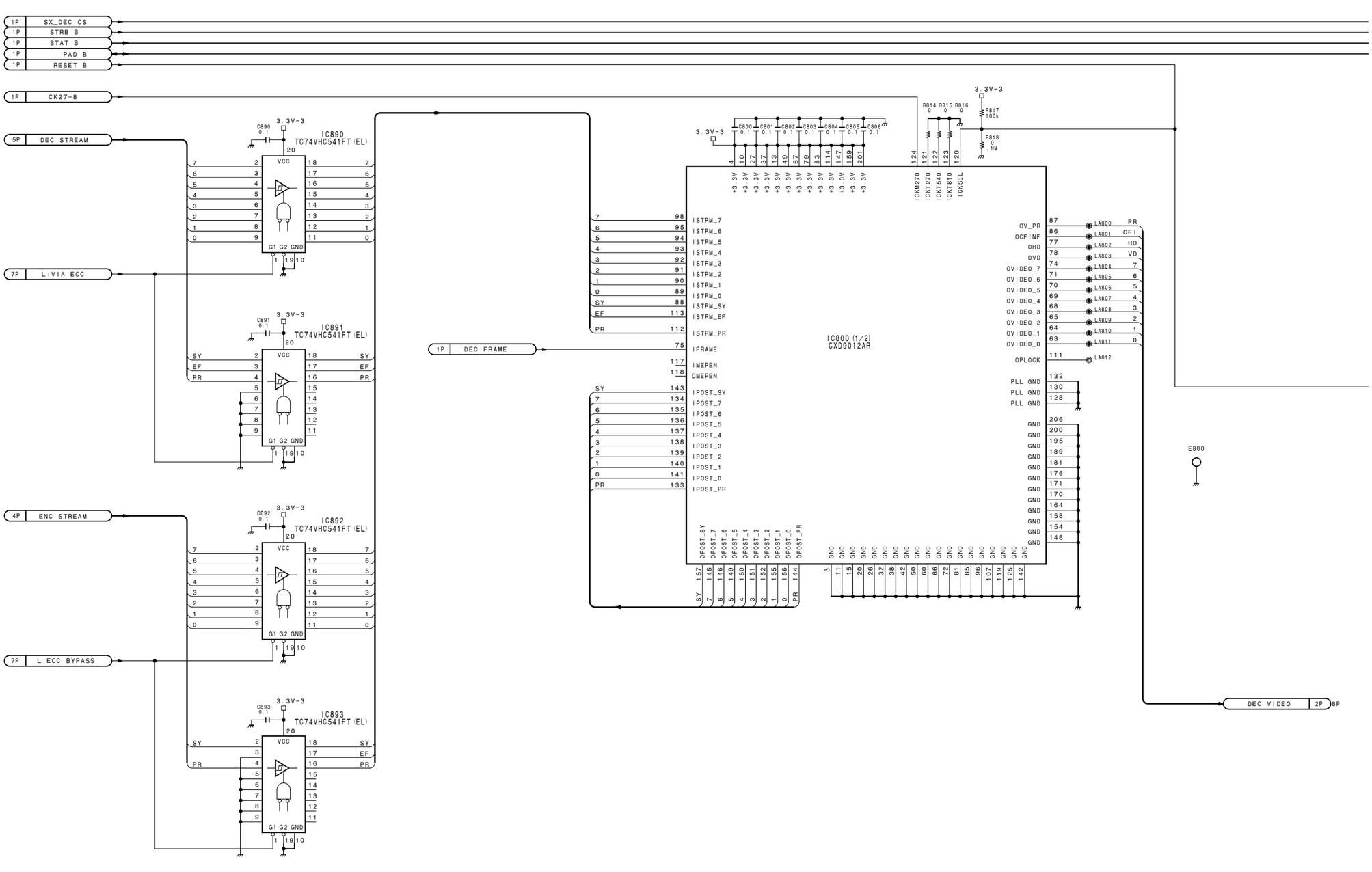


Digital data processor (Audio/Video processor)

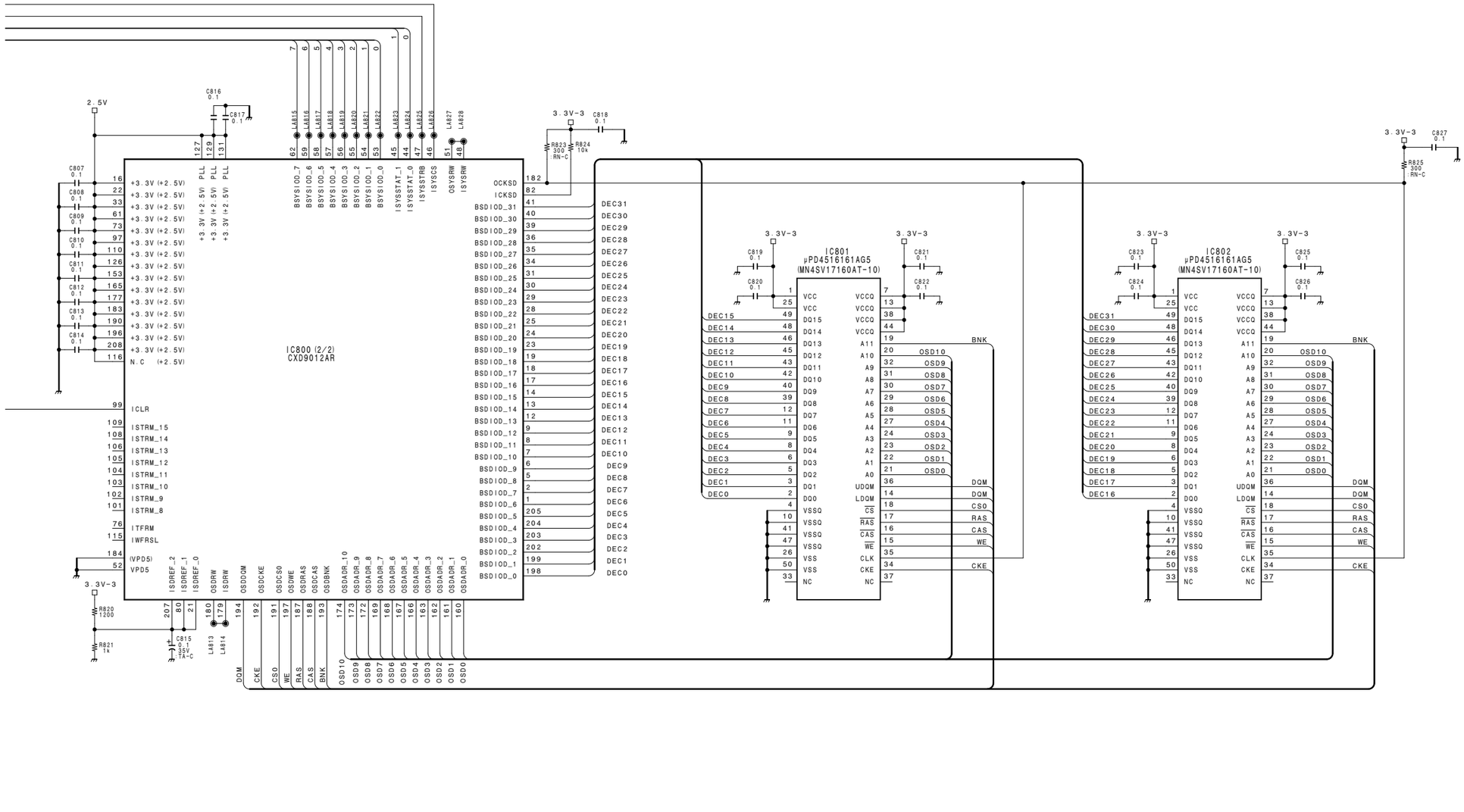
DPR-118 (5/9)

BOARD NO. 1-670-579-11,12
LOT NO. 804-
B-¥DNWA75-DPR118-12/M

DPR-118 (6/9) DNW-75/75P



3-46

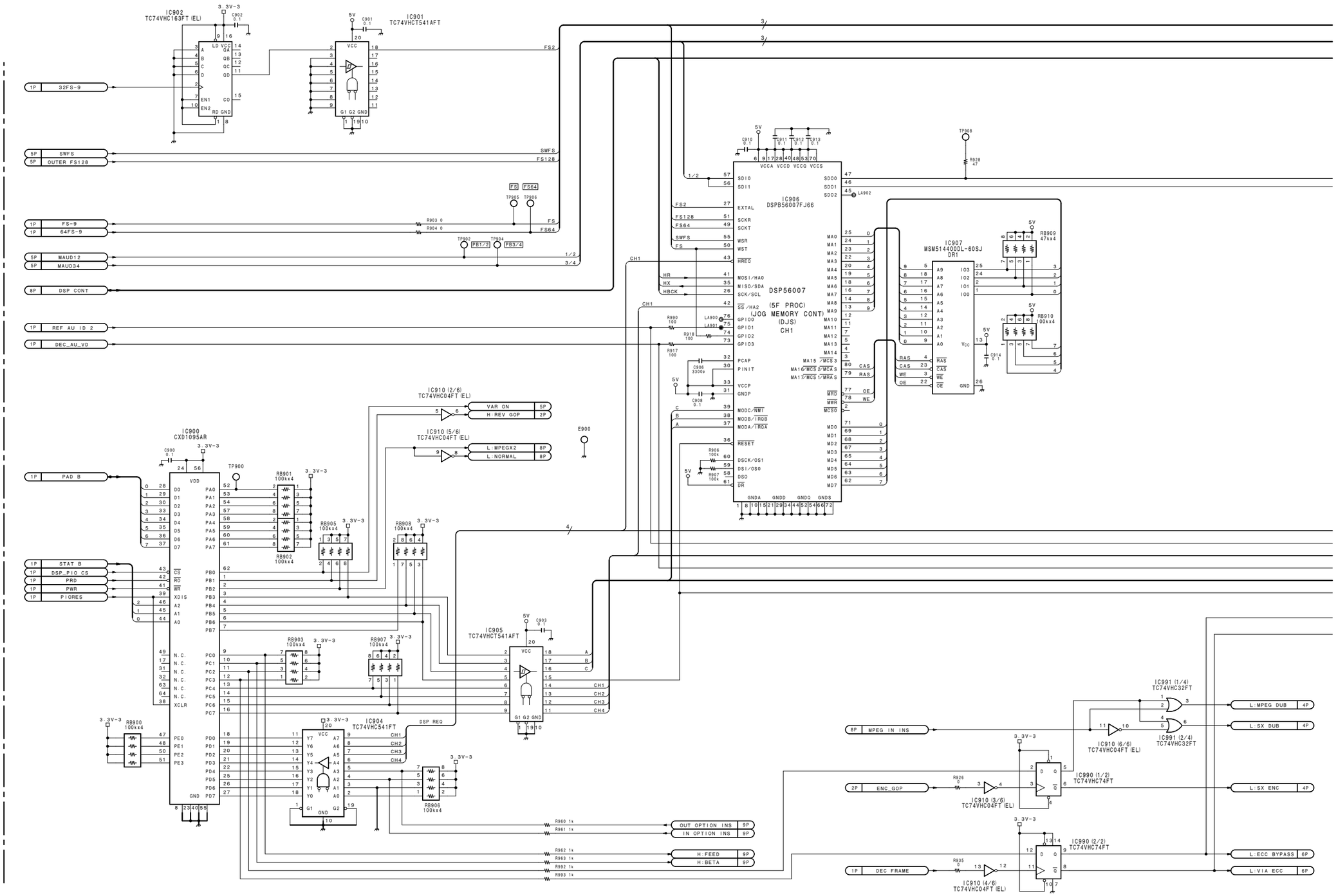


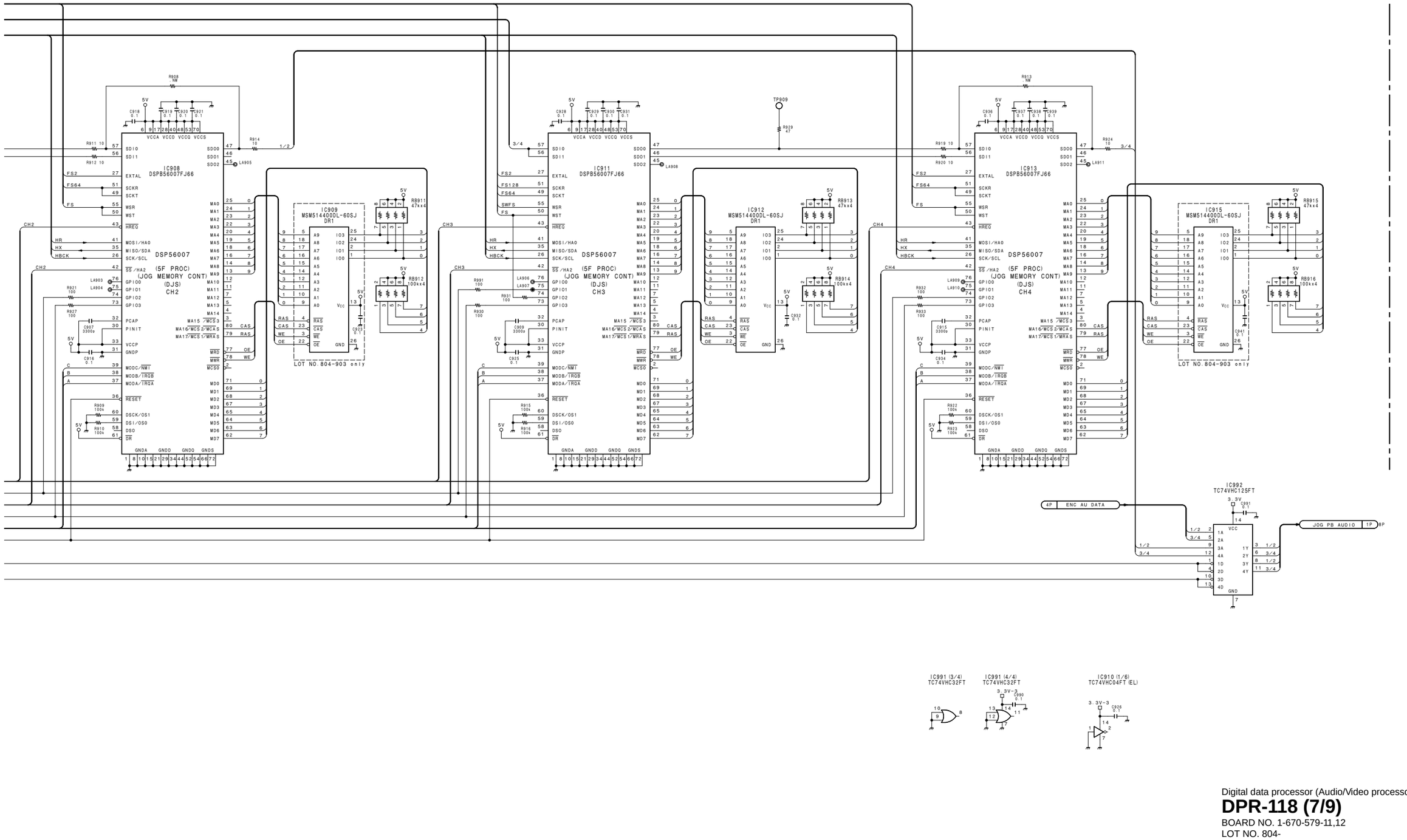
Digital data processor (Audio/Video processor)

DPR-118 (6/9)

BOARD NO. 1-670-579-11,12
LOT NO. 804-
B-¥DNWA75-DPR118-12/M

DPR-118 (7/9) DNW-75/75P



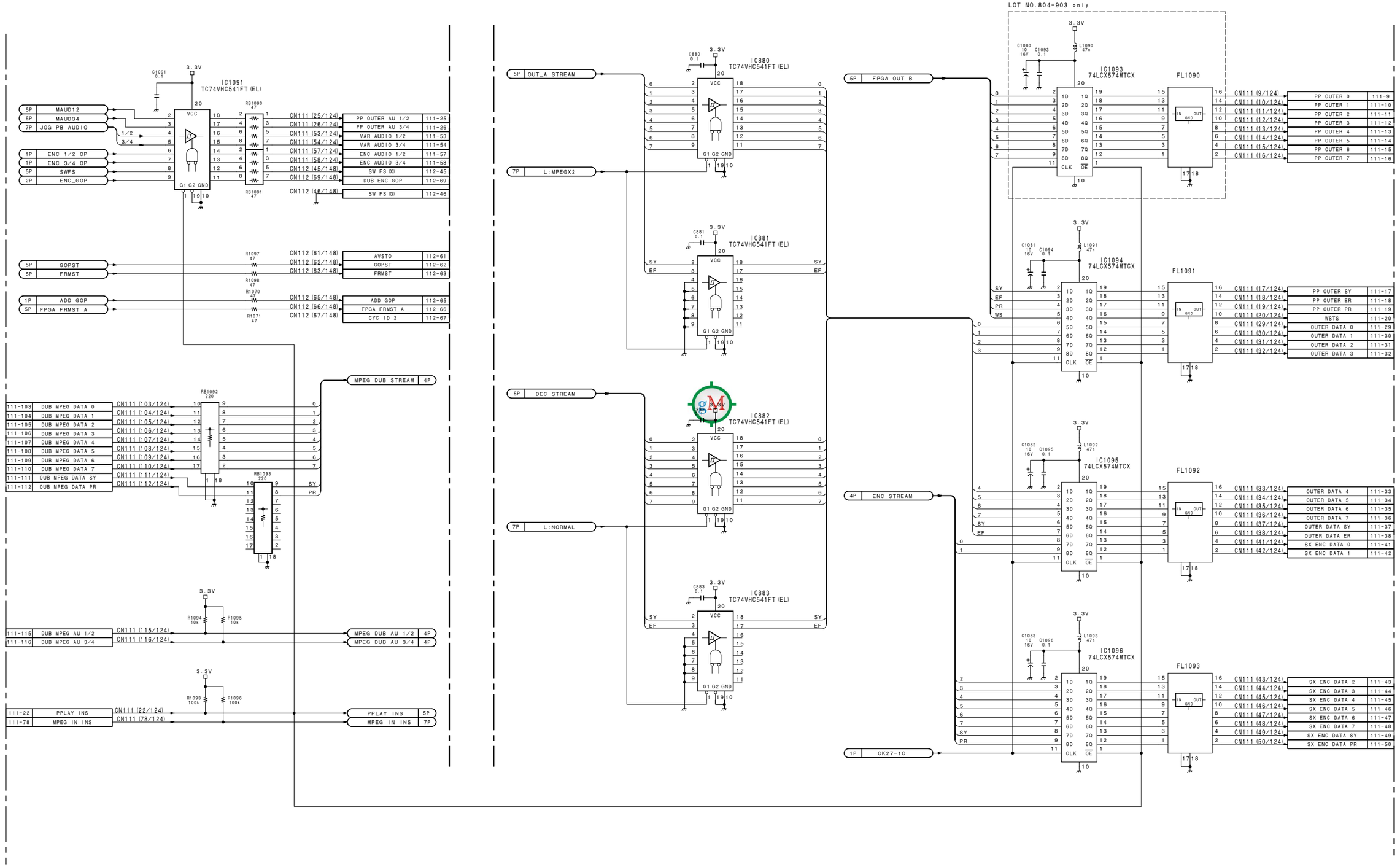


Digital data processor (Audio/Video processor)

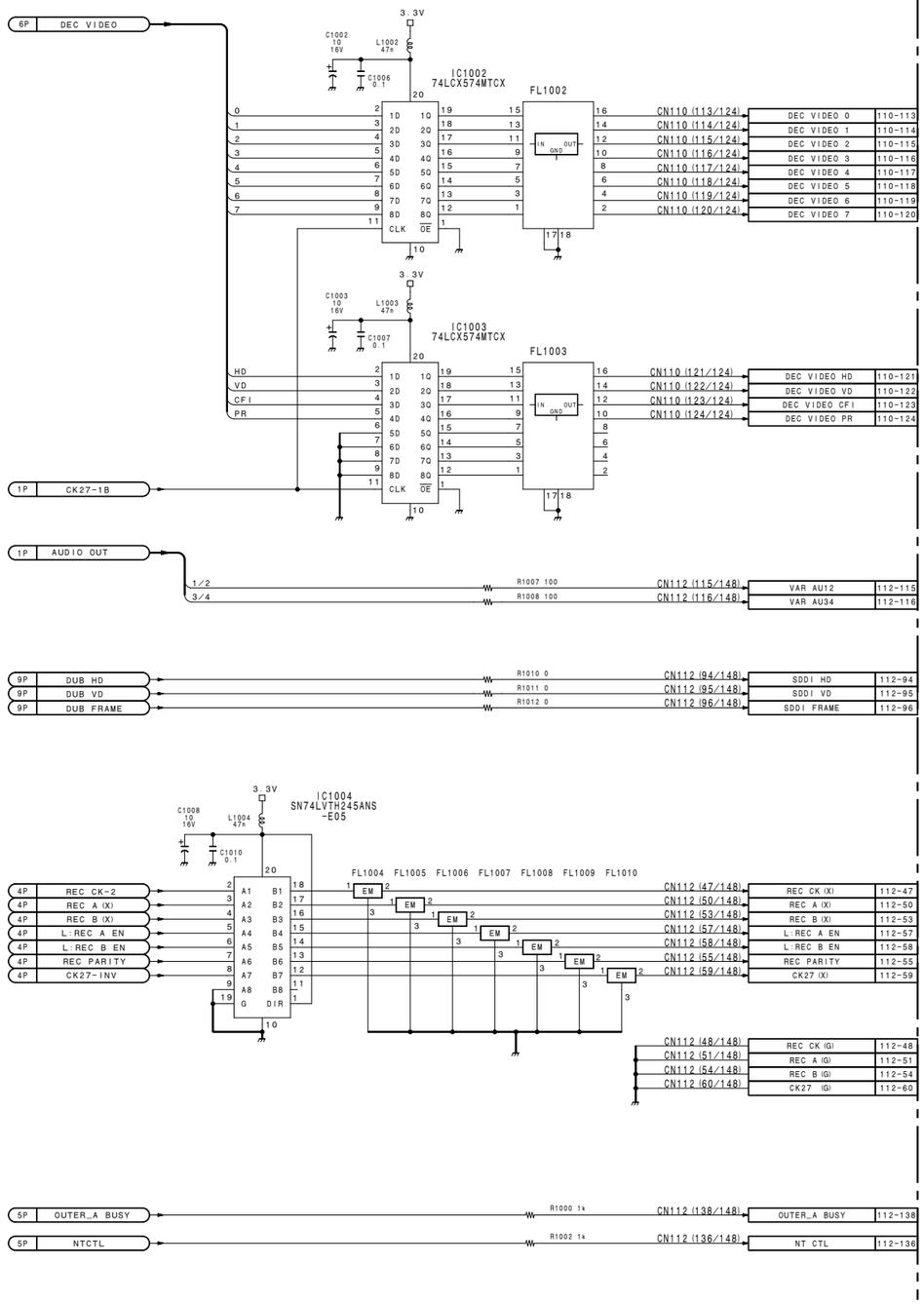
DPR-118 (7/9)

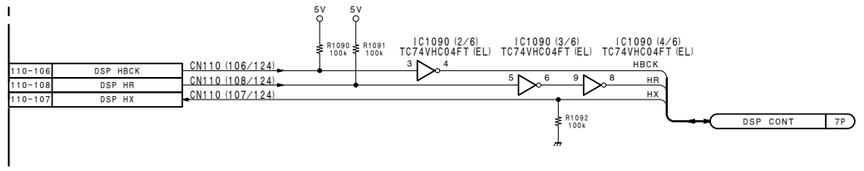
BOARD NO. 1-670-579-11,12
LOT NO. 804-
B-¥DNWA75-DPR118-12/M

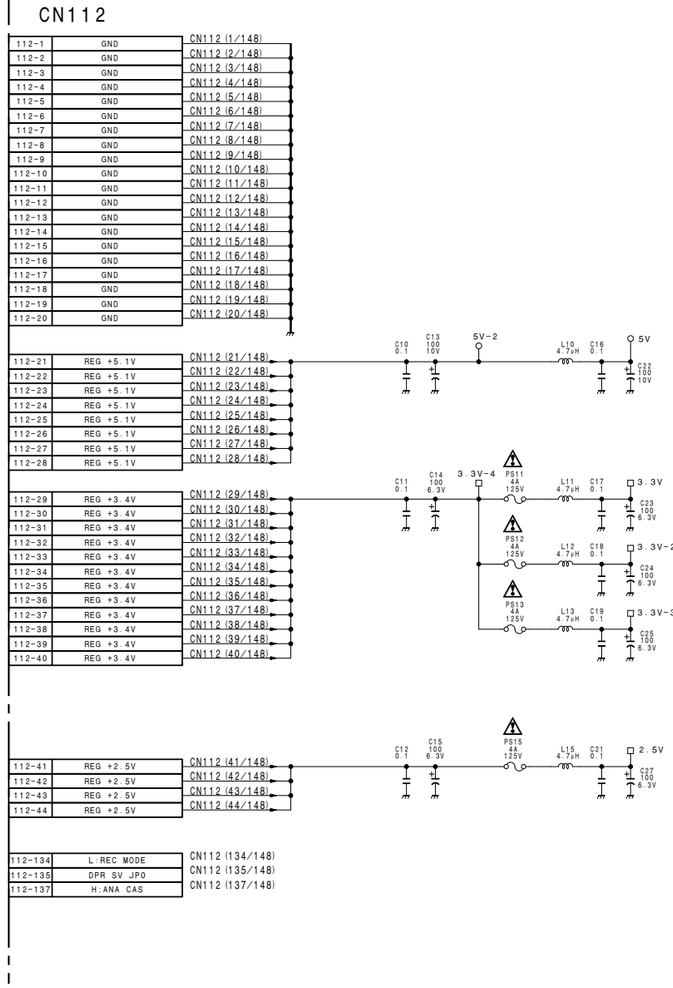
DPR-118 (8/9) DNW-75/75P

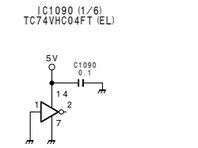


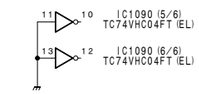
DPR-118 (8/9) DNW-75/75P







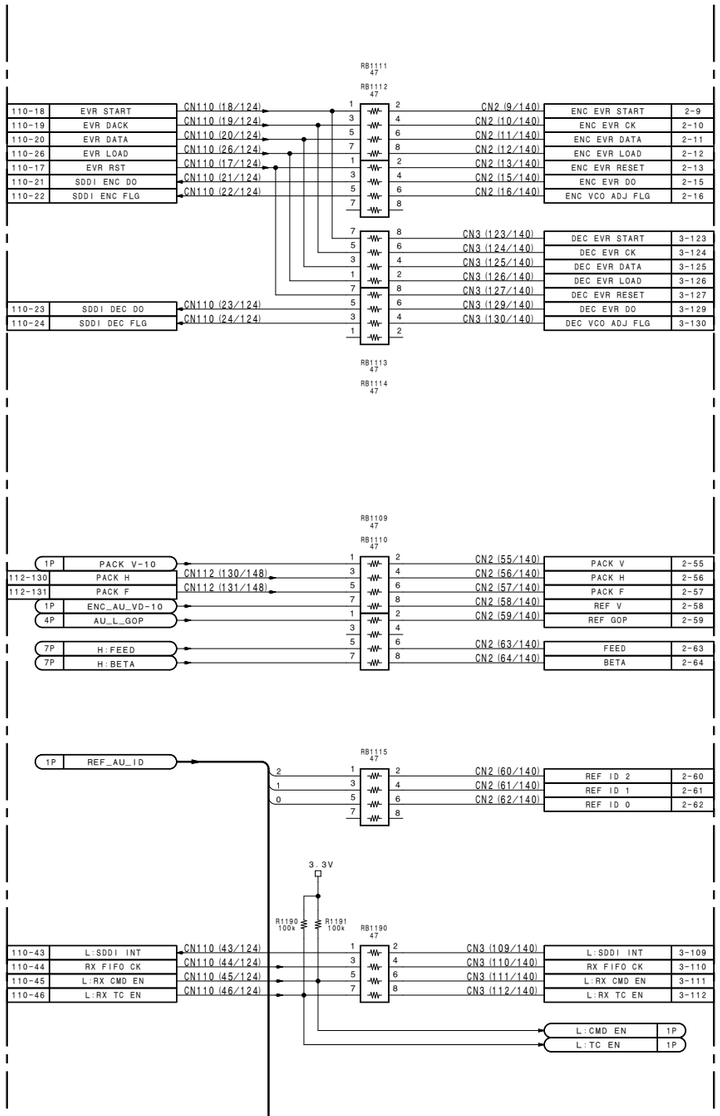


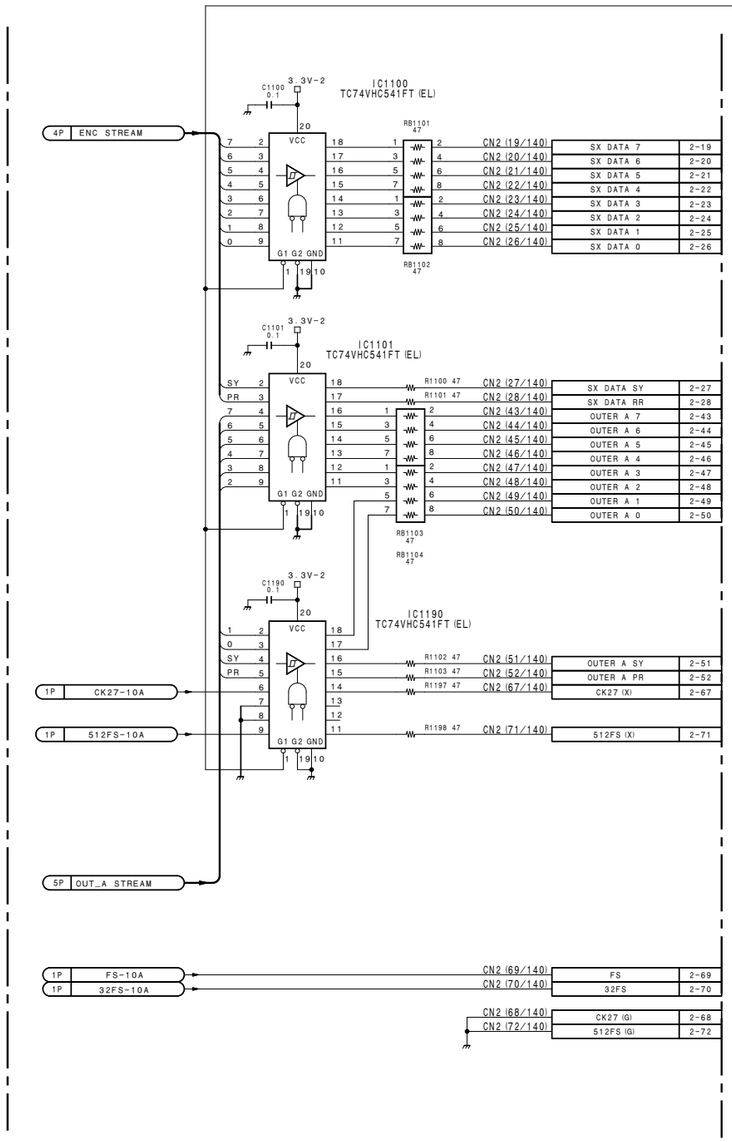


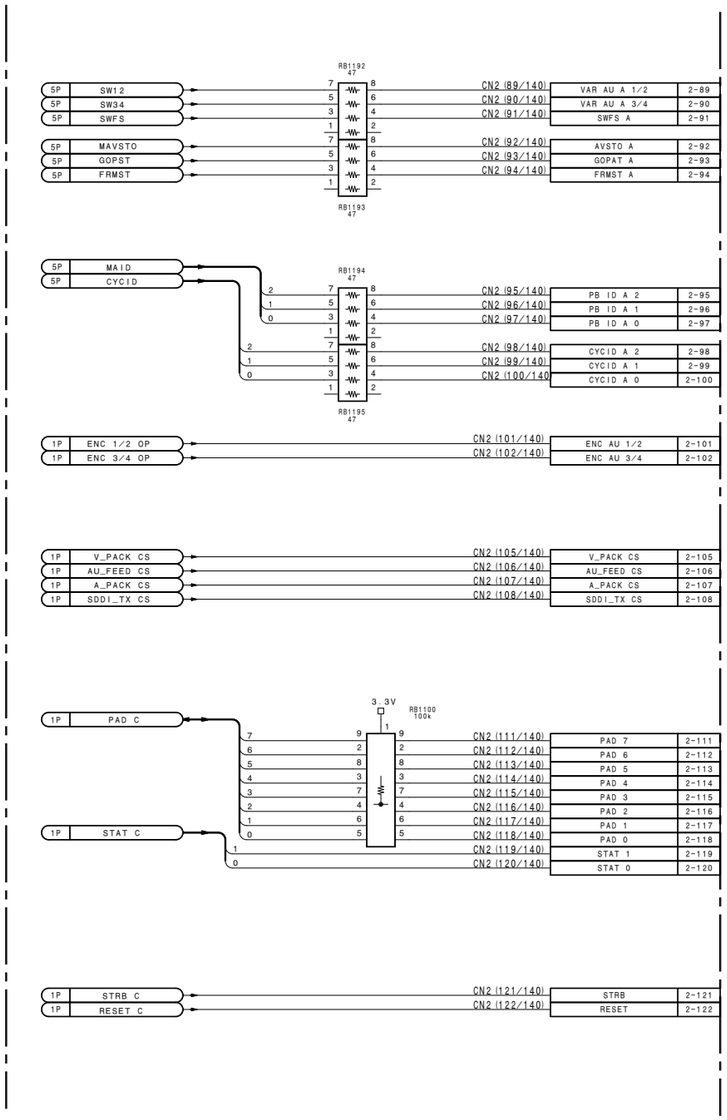
Digital data processor (Audio/Video processor)

DPR-118 (8/9)

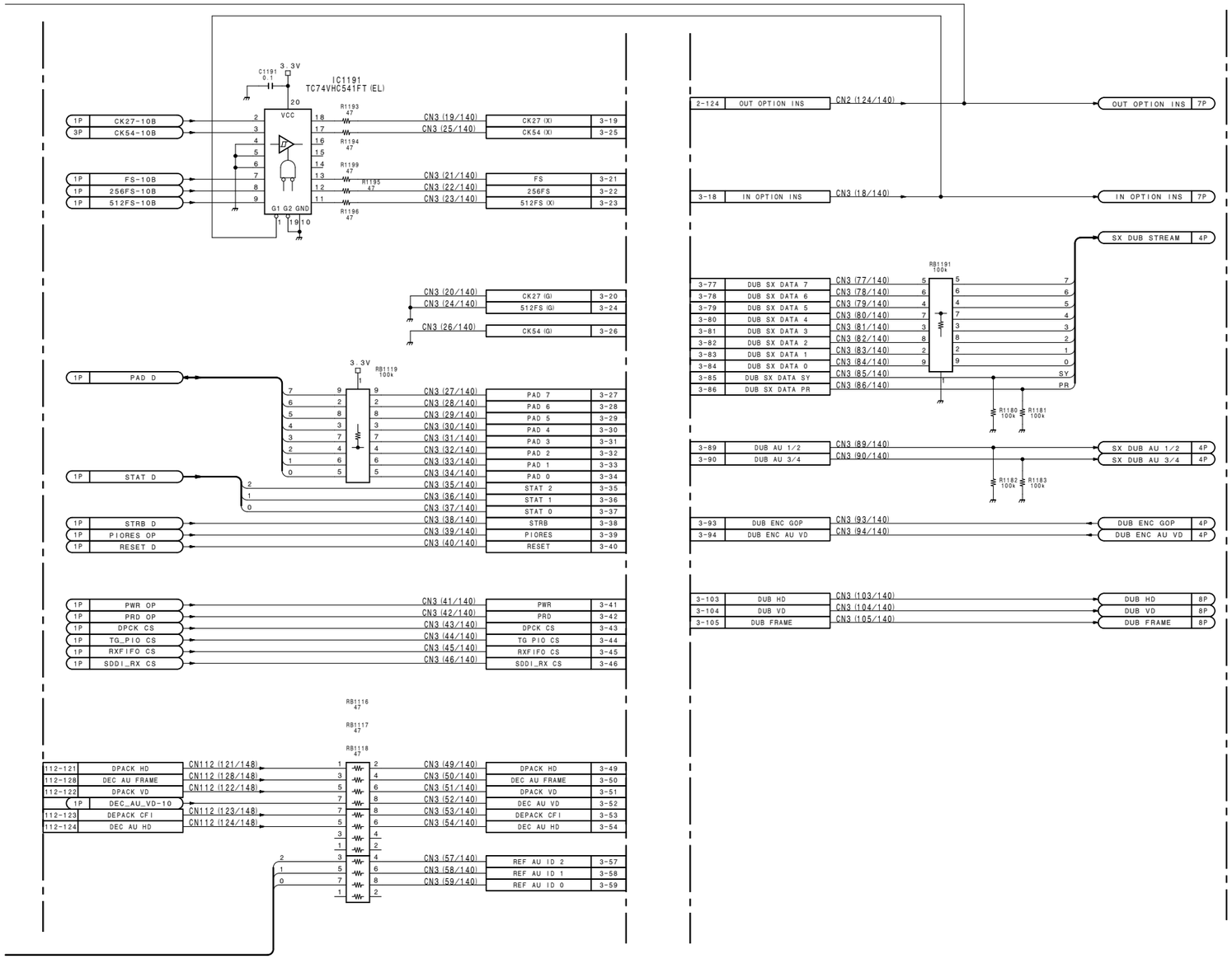
BOARD NO. 1-670-579-11,12
LOT NO. 804-
B-¥DNWA75-DPR118-12/M


RB1111 47
RB1112 47
110-18 EVR START
110-19 EVR DACK
110-20 EVR DATA
110-26 EVR LOAD
110-17 EVR RST
110-21 SDDI ENC DO
110-22 SDDI ENC FLG
CN110 (18/124)
CN110 (19/124)
CN110 (20/124)
CN110 (26/124)
CN110 (17/124)
CN110 (21/124)
CN110 (22/124)
CN2 (9/140)
CN2 (10/140)
CN2 (11/140)
CN2 (12/140)
CN2 (13/140)
CN2 (15/140)
CN2 (16/140)
ENC EVR START 2-9
ENC EVR CK 2-10
ENC EVR DATA 2-11
ENC EVR LOAD 2-12
ENC EVR RESET 2-13
ENC EVR DO 2-15
ENC VCO ADJ FLG 2-16
RB1113 47
RB1114 47
110-23 SDDI DEC DO
110-24 SDDI DEC FLG
CN110 (23/124)
CN110 (24/124)
CN3 (123/140)
CN3 (124/140)
CN3 (125/140)
CN3 (126/140)
CN3 (127/140)
CN3 (129/140)
CN3 (130/140)
DEC EVR START 3-123
DEC EVR CK 3-124
DEC EVR DATA 3-125
DEC EVR LOAD 3-126
DEC EVR RESET 3-127
DEC EVR DO 3-129
DEC VCO ADJ FLG 3-130
RB1109 47
RB1110 47
1P PACK V-10
112-130 PACK H
112-131 PACK F
1P ENC_AU_VD-10
4P AU_L_GOP
CN112 (130/148)
CN112 (131/148)
CN2 (55/140)
CN2 (56/140)
CN2 (57/140)
CN2 (58/140)
CN2 (59/140)
CN2 (63/140)
CN2 (64/140)
PACK V 2-55
PACK H 2-56
PACK F 2-57
REF V 2-58
REF GOP 2-59
FEED 2-63
BETA 2-64
7P H:FEED
7P H:BETA
1P REF_AU_ID
RB1115 47
CN2 (60/140)
CN2 (61/140)
CN2 (62/140)
REF ID 2 2-60
REF ID 1 2-61
REF ID 0 2-62
3.3V
R1190 100k
R1191 100k
RB1190 47
110-43 L:SDDI INT
110-44 RX FIFO CK
110-45 L:RX CMD EN
110-46 L:RX TC EN
CN110 (43/124)
CN110 (44/124)
CN110 (45/124)
CN110 (46/124)
CN3 (109/140)
CN3 (110/140)
CN3 (111/140)
CN3 (112/140)
L:SDDI INT 3-109
RX FIFO CK 3-110
L:RX CMD EN 3-111
L:RX TC EN 3-112
L:CMD EN 1P
L:TC EN 1P


4P ENC STREAM
C1100 0.1
3.3V-2
IC1100
TC74VHC541FT (EL)
VCC
G1 G2 GND
RB1101 47
RB1102 47
CN2 (19/140)
CN2 (20/140)
CN2 (21/140)
CN2 (22/140)
CN2 (23/140)
CN2 (24/140)
CN2 (25/140)
CN2 (26/140)
SX DATA 7 2-19
SX DATA 6 2-20
SX DATA 5 2-21
SX DATA 4 2-22
SX DATA 3 2-23
SX DATA 2 2-24
SX DATA 1 2-25
SX DATA 0 2-26
C1101 0.1
IC1101
TC74VHC541FT (EL)
SY
PR
R1100 47
R1101 47
RB1103 47
RB1104 47
CN2 (27/140)
CN2 (28/140)
CN2 (43/140)
CN2 (44/140)
CN2 (45/140)
CN2 (46/140)
CN2 (47/140)
CN2 (48/140)
CN2 (49/140)
CN2 (50/140)
SX DATA SY 2-27
SX DATA RR 2-28
OUTER A 7 2-43
OUTER A 6 2-44
OUTER A 5 2-45
OUTER A 4 2-46
OUTER A 3 2-47
OUTER A 2 2-48
OUTER A 1 2-49
OUTER A 0 2-50
C1190 0.1
IC1190
TC74VHC541FT (EL)
R1102 47
R1103 47
R1197 47
R1198 47
CN2 (51/140)
CN2 (52/140)
CN2 (67/140)
CN2 (71/140)
OUTER A SY 2-51
OUTER A PR 2-52
CK27 (X) 2-67
512FS (X) 2-71
1P CK27-10A
1P 512FS-10A
5P OUT_A STREAM
1P FS-10A
1P 32FS-10A
CN2 (69/140)
CN2 (70/140)
FS 2-69
32FS 2-70
CN2 (68/140)
CN2 (72/140)
CK27 (G) 2-68
512FS (G) 2-72


RB1192 47
RB1193 47
5P SW12
5P SW34
5P SWFS
5P MAVSTO
5P GOPST
5P FRMST
CN2 (89/140)
CN2 (90/140)
CN2 (91/140)
CN2 (92/140)
CN2 (93/140)
CN2 (94/140)
VAR AU A 1/2 2-89
VAR AU A 3/4 2-90
SWFS A 2-91
AVSTO A 2-92
GOPAT A 2-93
FRMST A 2-94
RB1194 47
RB1195 47
5P MAID
5P CYCID
CN2 (95/140)
CN2 (96/140)
CN2 (97/140)
CN2 (98/140)
CN2 (99/140)
CN2 (100/140)
PB ID A 2 2-95
PB ID A 1 2-96
PB ID A 0 2-97
CYCID A 2 2-98
CYCID A 1 2-99
CYCID A 0 2-100
1P ENC 1/2 OP
1P ENC 3/4 OP
CN2 (101/140)
CN2 (102/140)
ENC AU 1/2 2-101
ENC AU 3/4 2-102
1P V_PACK CS
1P AU_FEED CS
1P A_PACK CS
1P SDDI_TX CS
CN2 (105/140)
CN2 (106/140)
CN2 (107/140)
CN2 (108/140)
V_PACK CS 2-105
AU_FEED CS 2-106
A_PACK CS 2-107
SDDI_TX CS 2-108
3.3V
RB1100 100k
1P PAD C
1P STAT C
CN2 (111/140)
CN2 (112/140)
CN2 (113/140)
CN2 (114/140)
CN2 (115/140)
CN2 (116/140)
CN2 (117/140)
CN2 (118/140)
CN2 (119/140)
CN2 (120/140)
PAD 7 2-111
PAD 6 2-112
PAD 5 2-113
PAD 4 2-114
PAD 3 2-115
PAD 2 2-116
PAD 1 2-117
PAD 0 2-118
STAT 1 2-119
STAT 0 2-120
1P STRB C
1P RESET C
CN2 (121/140)
CN2 (122/140)
STRB 2-121
RESET 2-122

DPR-118 (9/9) DNW-75/75P



Digital data processor (Audio/Video processor)

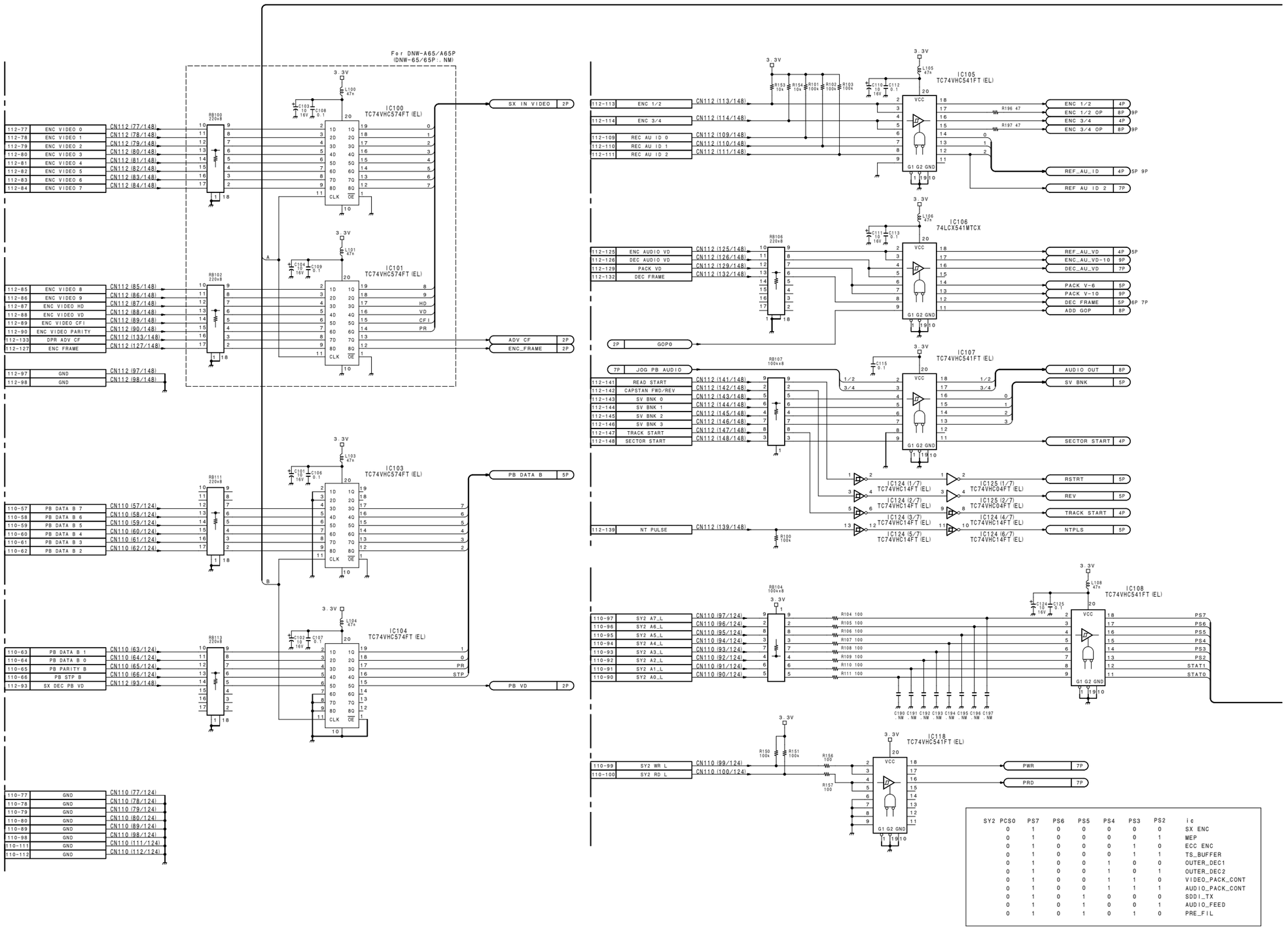
DPR-118 (9/9)

BOARD NO. 1-670-579-11,12

LOT NO. 804-

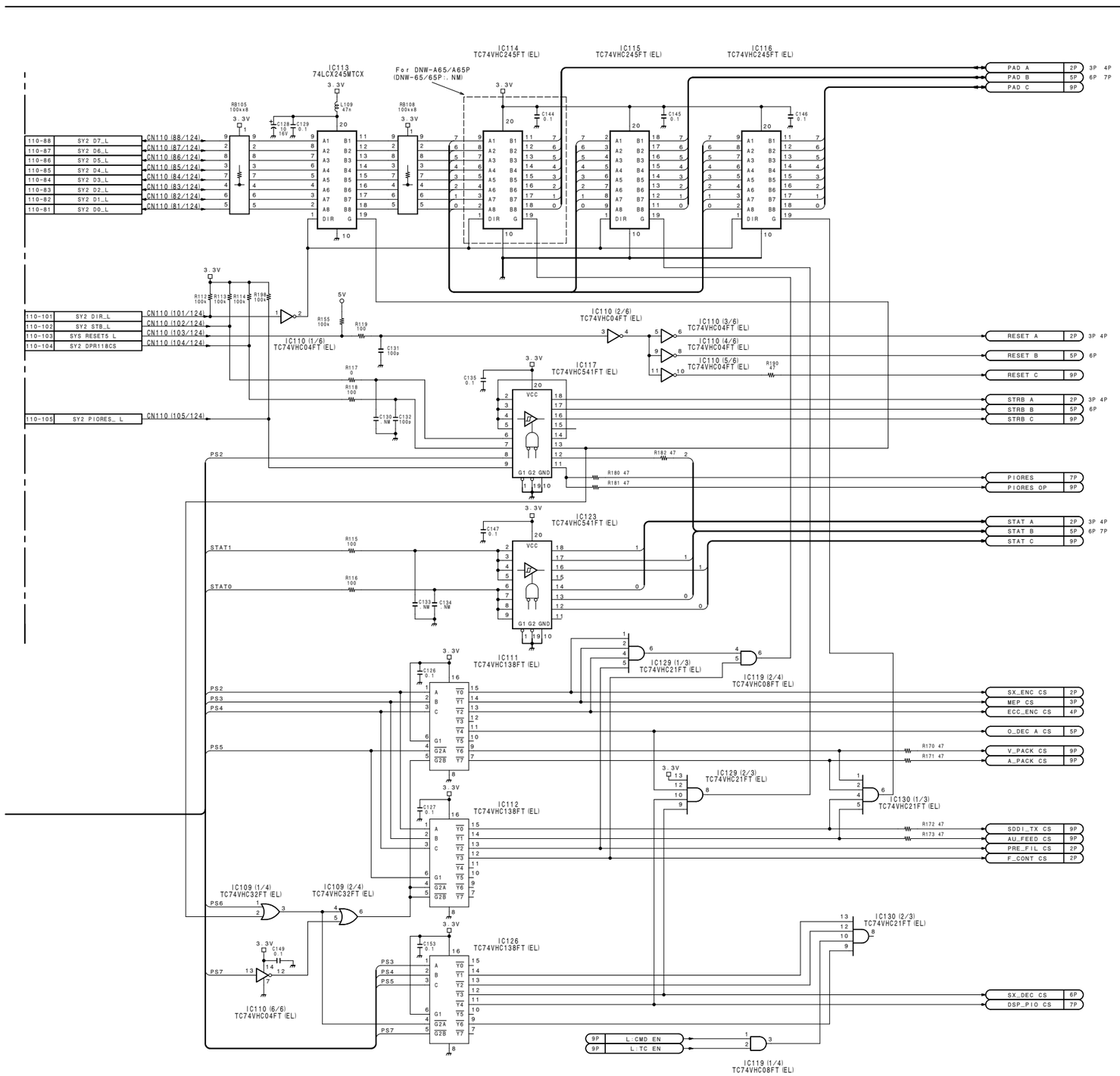
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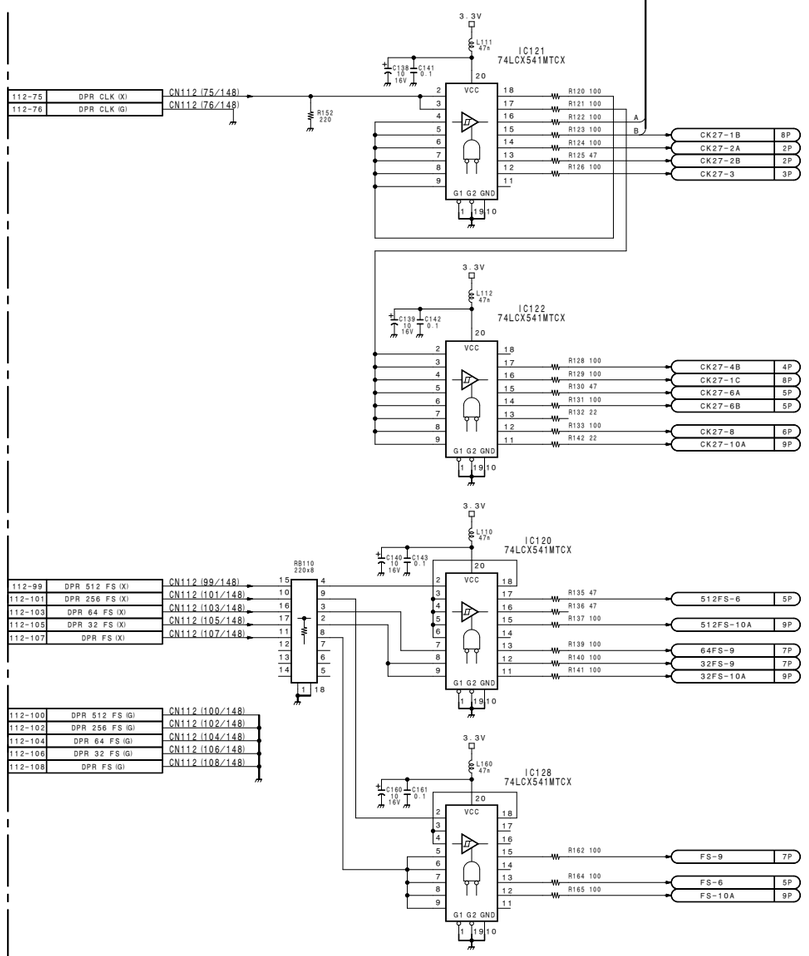
コネクタの接続先についてはMB-818基板回路図（ 3-98 ページ）を参照。
Refer to the MB-818 board schematic diagrams (Page 3-98) in regard to destinations of connectors.

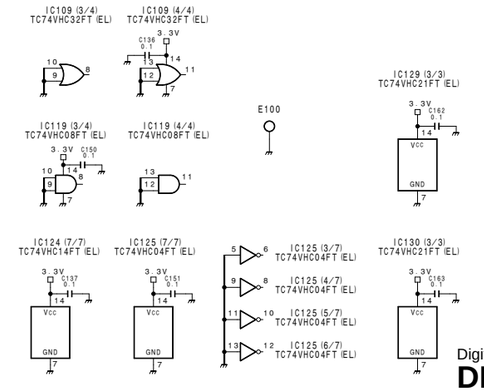


SY2 PCS0	PS7	PS6	PS5	PS4	PS3	PS2	ic
0	1	0	0	0	0	0	SX ENC
0	1	0	0	0	0	1	MEP
0	1	0	0	0	1	0	ECC ENC
0	1	0	0	0	1	1	TS_BUFFER
0	1	0	0	1	0	0	OUTER_DEC1
0	1	0	0	1	0	1	OUTER_DEC2
0	1	0	0	1	1	0	VIDEO_PACK_CONT
0	1	0	0	1	1	1	AUDIO_PACK_CONT
0	1	0	1	0	0	0	SDDI_TX
0	1	0	1	0	0	1	AUDIO_FEED
0	1	0	1	0	1	0	PRE_FIL

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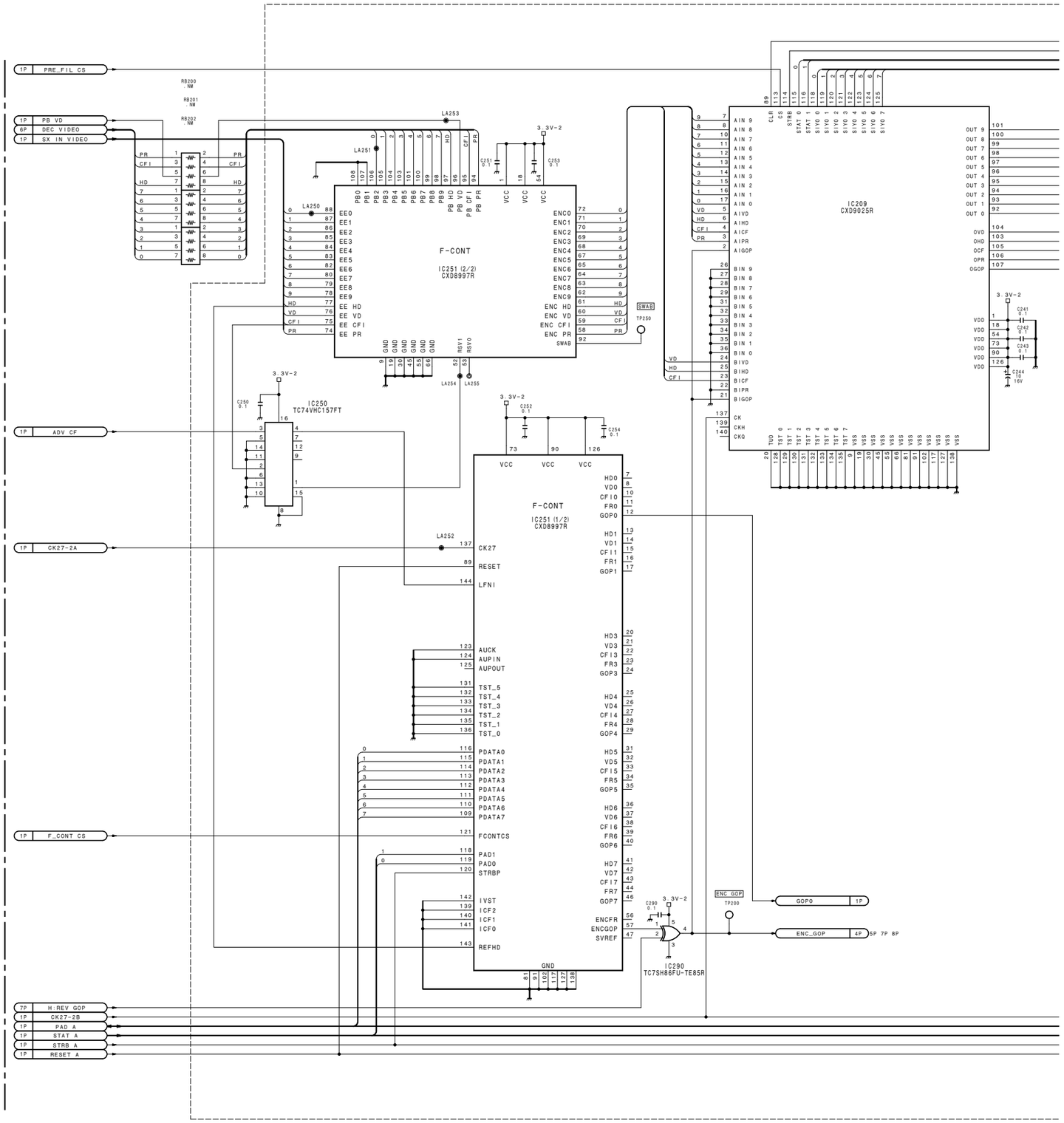
Digital data processor (Audio/Video processor)

DPR-118C (1/9)

BOARD NO. 1-670-579-21
LOT NO. 807- (DPR-118C: For DNW-A65/A65P)
LOT NO. 905- (DPR-118F: For DNW-65/65P)

B-¥DNWA65-DPR118C-22@/M

DPR-118C (2/9) DNW-65/65P



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DNW-75/75P
DNW-65/65P

For DNW-A65/A65P
(DNW-65/65P : NM)

E200

BRR ENC
IC200 (1/2)
CXD8973BR

BRR ENC
IC200 (2/2)
CXD8973BR

IC207 UPD4516821AG5-A10B-9NF (MN4SV17080AT-10)
IC208 UPD4516821AG5-A10B-9NF (MN4SV17080AT-10)
IC205 UPD4516821AG5-A10B-9NF (MN4SV17080AT-10)
IC206 UPD4516821AG5-A10B-9NF (MN4SV17080AT-10)

ENC_FRAME
TOMEP
FRMEP
SX_ENC CS
SX ENC STREAM 4P

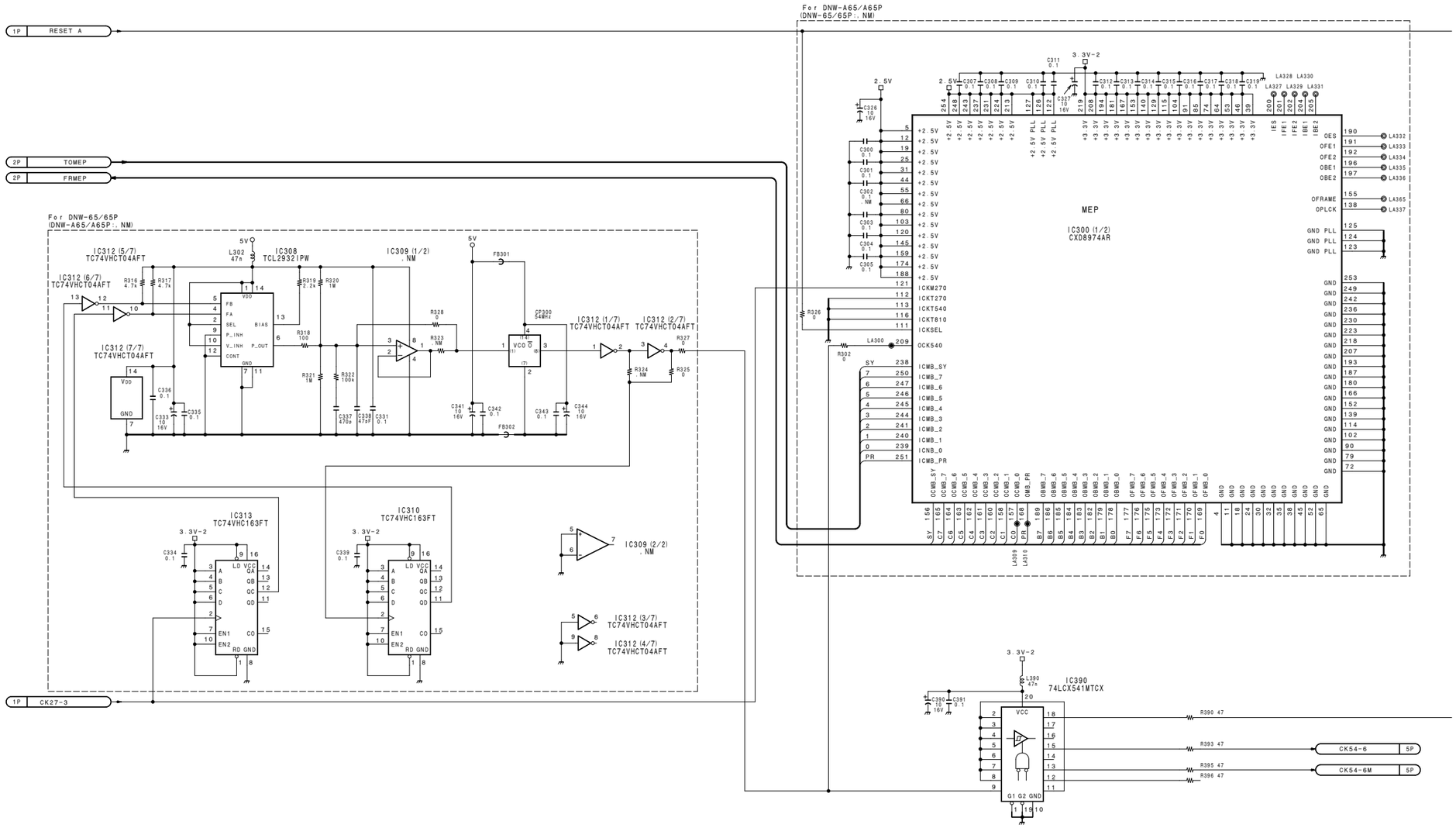
Digital data processor (Audio/Video processor)

DPR-118C (2/9)

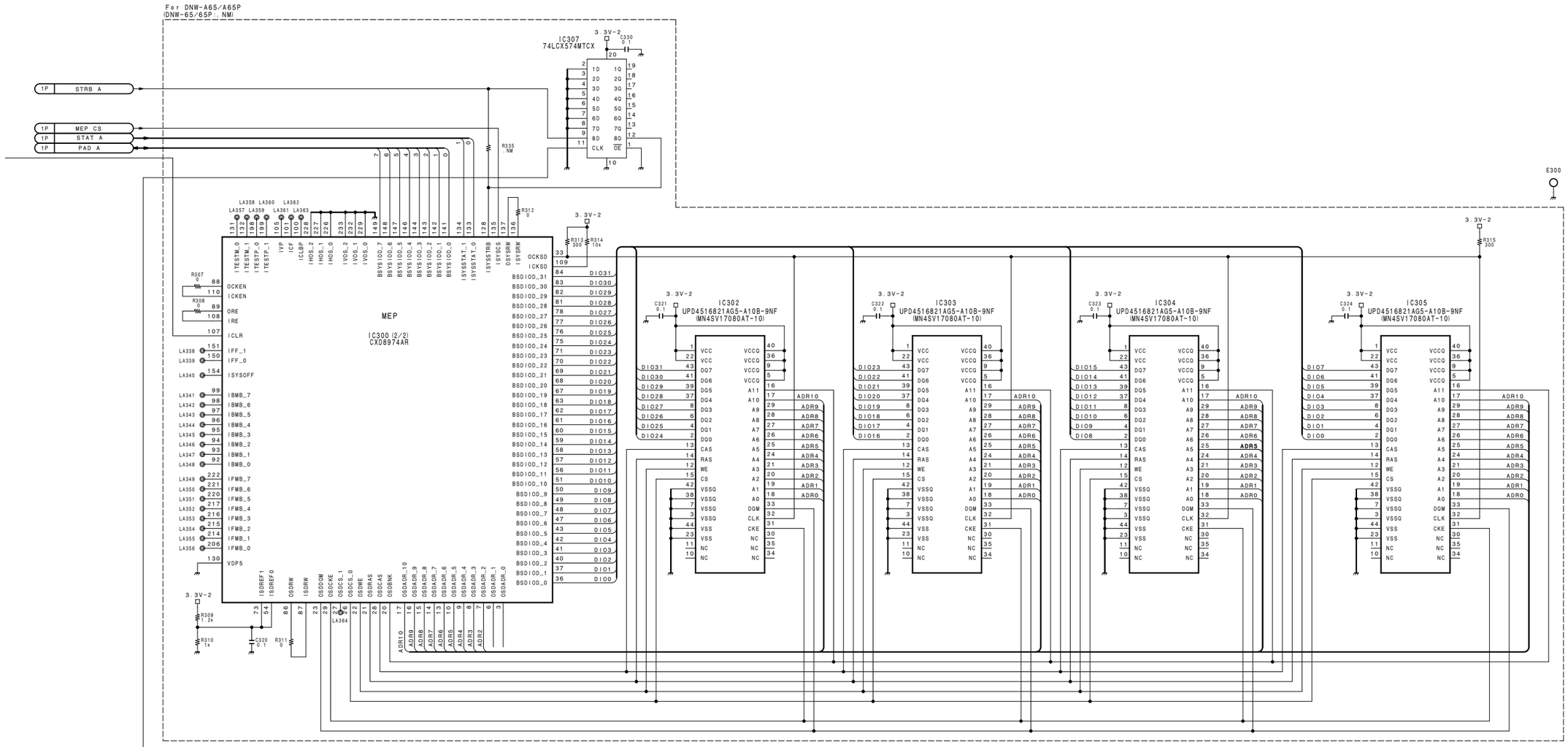
BOARD NO. 1-670-579-21
LOT NO. 807- (DPR-118C: For DNW-A65/65P)
LOT NO. 905- (DPR-118F: For DNW-65/65P)

B-¥DNWA65-DPR118C-22@/M

DPR-118C (3/9) DNW-65/65P



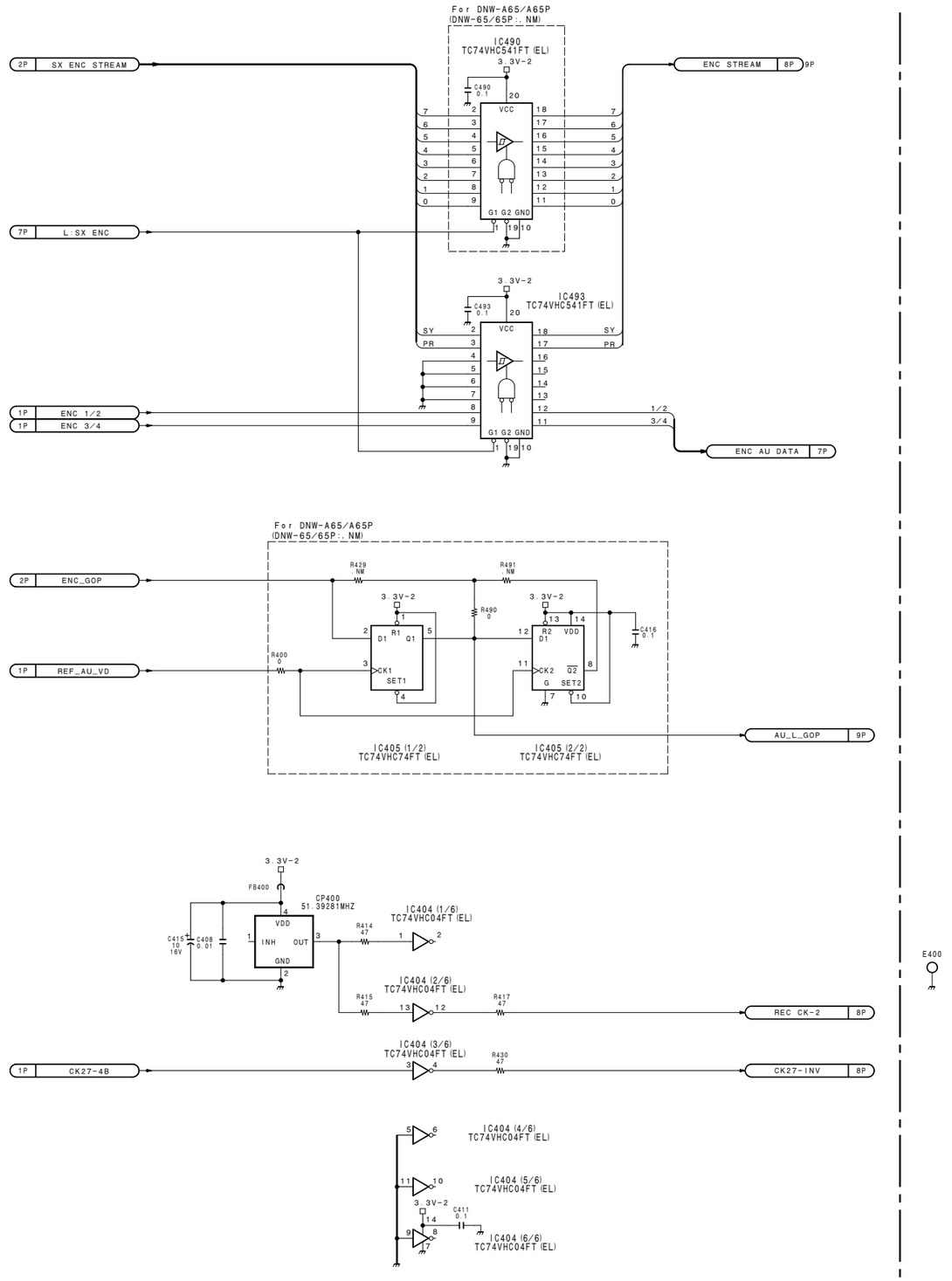
3-58



Digital data processor (Audio/Video processor)

DPR-118C (3/9)

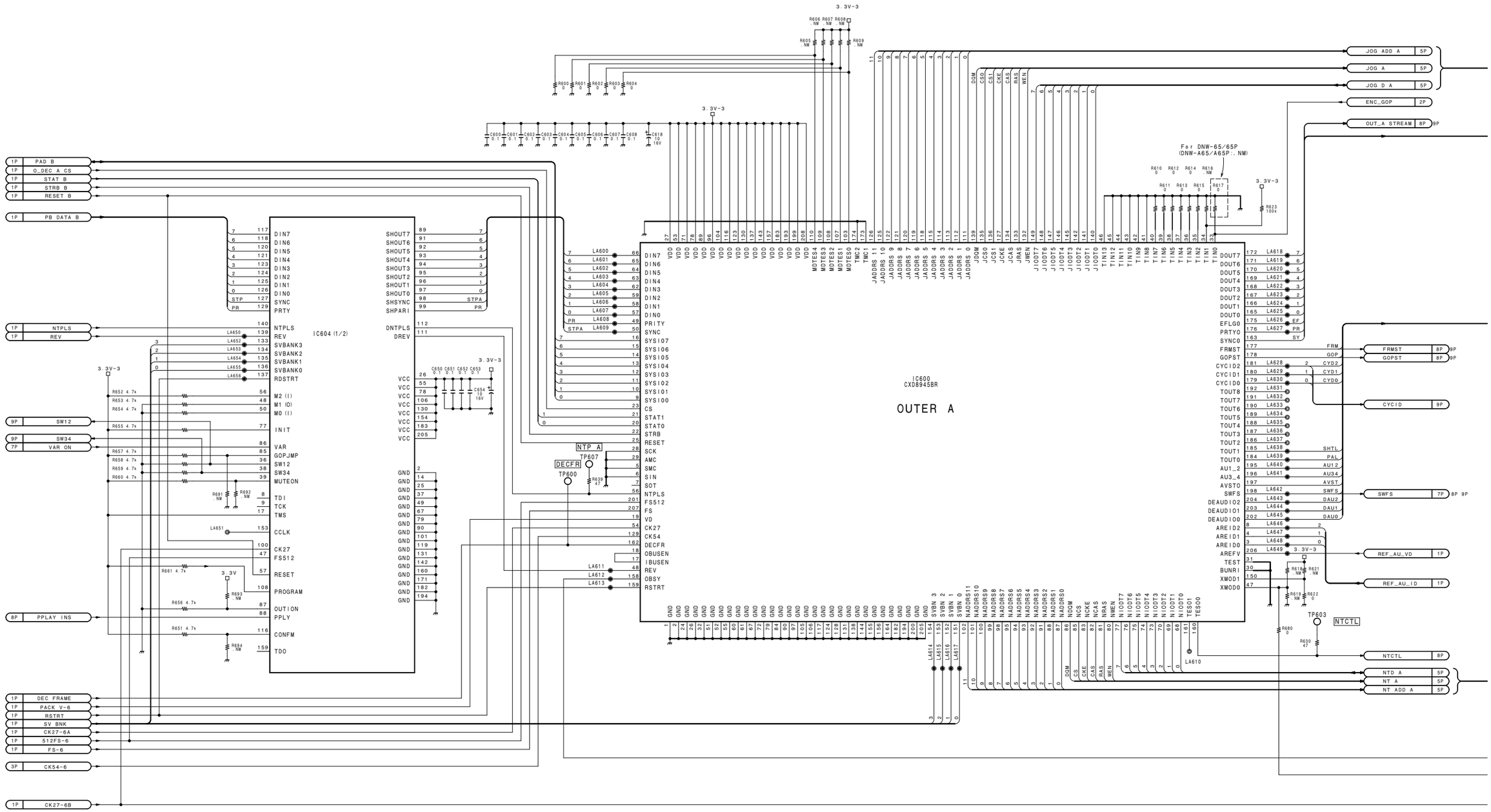
BOARD NO. 1-670-579-21
LOT NO. 807- (DPR-118C: For DNW-A65/A65P)
LOT NO. 905- (DPR-118F: For DNW-65/65P)
B-¥DNWA65-DPR118C-22@/M

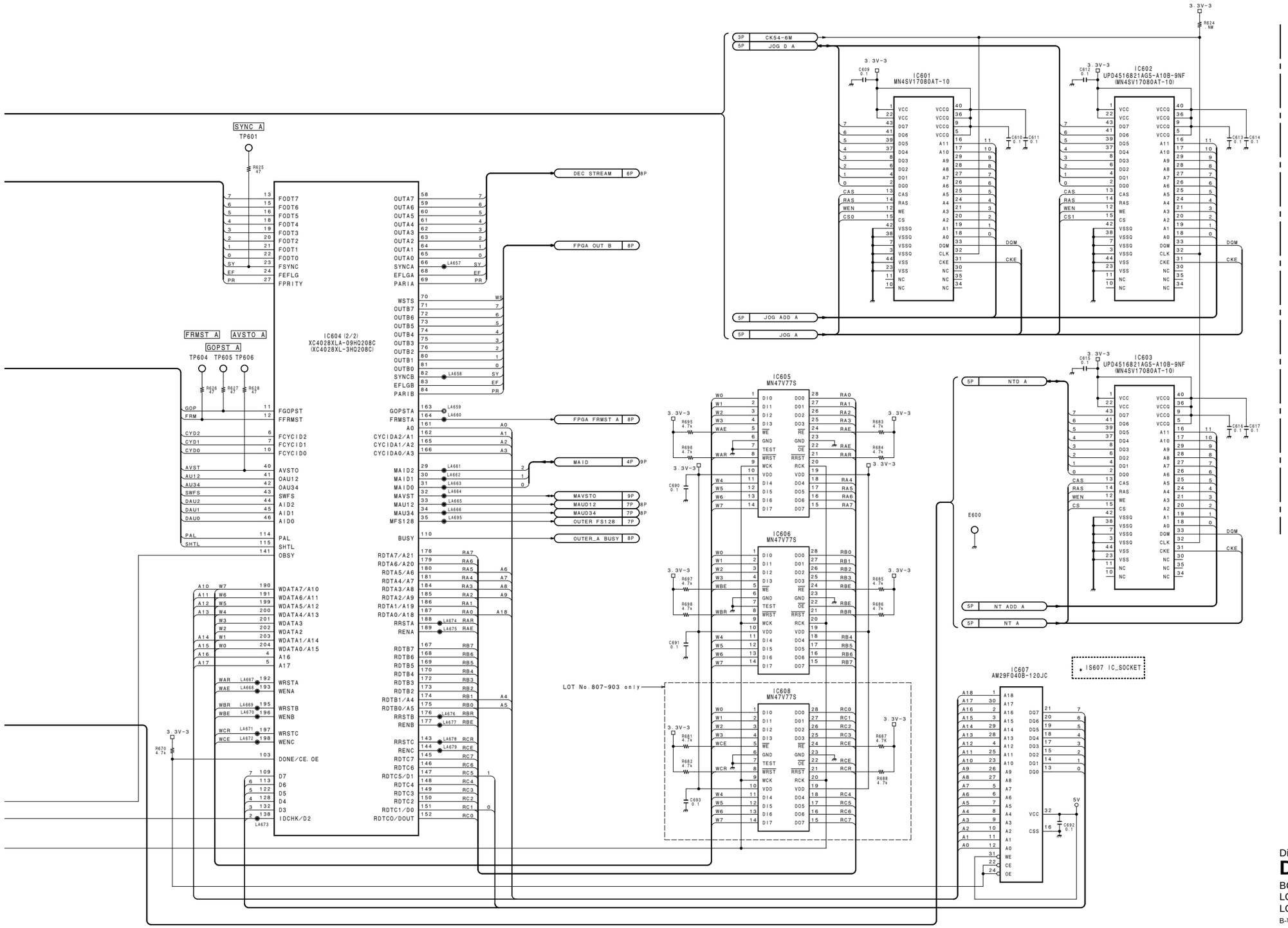


Digital data processor (Audio/Video processor)

DPR-118C (4/9)

BOARD NO. 1-670-579-21
LOT NO. 807- (DPR-118C: For DNW-A65/A65P)
LOT NO. 905- (DPR-118F: For DNW-65/65P)
B-¥DNWA65-DPR118C-22@/M


IC604 (1/2)
IC600
CXD8945BR
OUTER A
For DNW-65/65P
(DNW-A65/A65P:.NM)
3.3V-3
NTP A
TP607
TP600
DECFR
TP603
NTCTL
1P PAD B
1P O_DEC A CS
1P STAT B
1P STRB B
1P RESET B
1P PB DATA B
1P NTPLS
1P REV
9P SW12
9P SW34
7P VAR ON
8P PPLAY INS
1P DEC FRAME
1P PACK V-6
1P RSTRT
1P SV BNK
1P CK27-6A
1P 512FS-6
1P FS-6
3P CK54-6
1P CK27-6B
JOG ADD A 5P
JOG A 5P
JOG D A 5P
ENC_GOP 2P
OUT_A STREAM 8P 9P
FRMST 8P 9P
GOPST 8P 9P
CYCID 9P
SWFS 7P 8P 9P
REF_AU_VD 1P
REF_AU_ID 1P
NTCTL 8P
NTD A 5P
NT A 5P
NT ADD A 5P



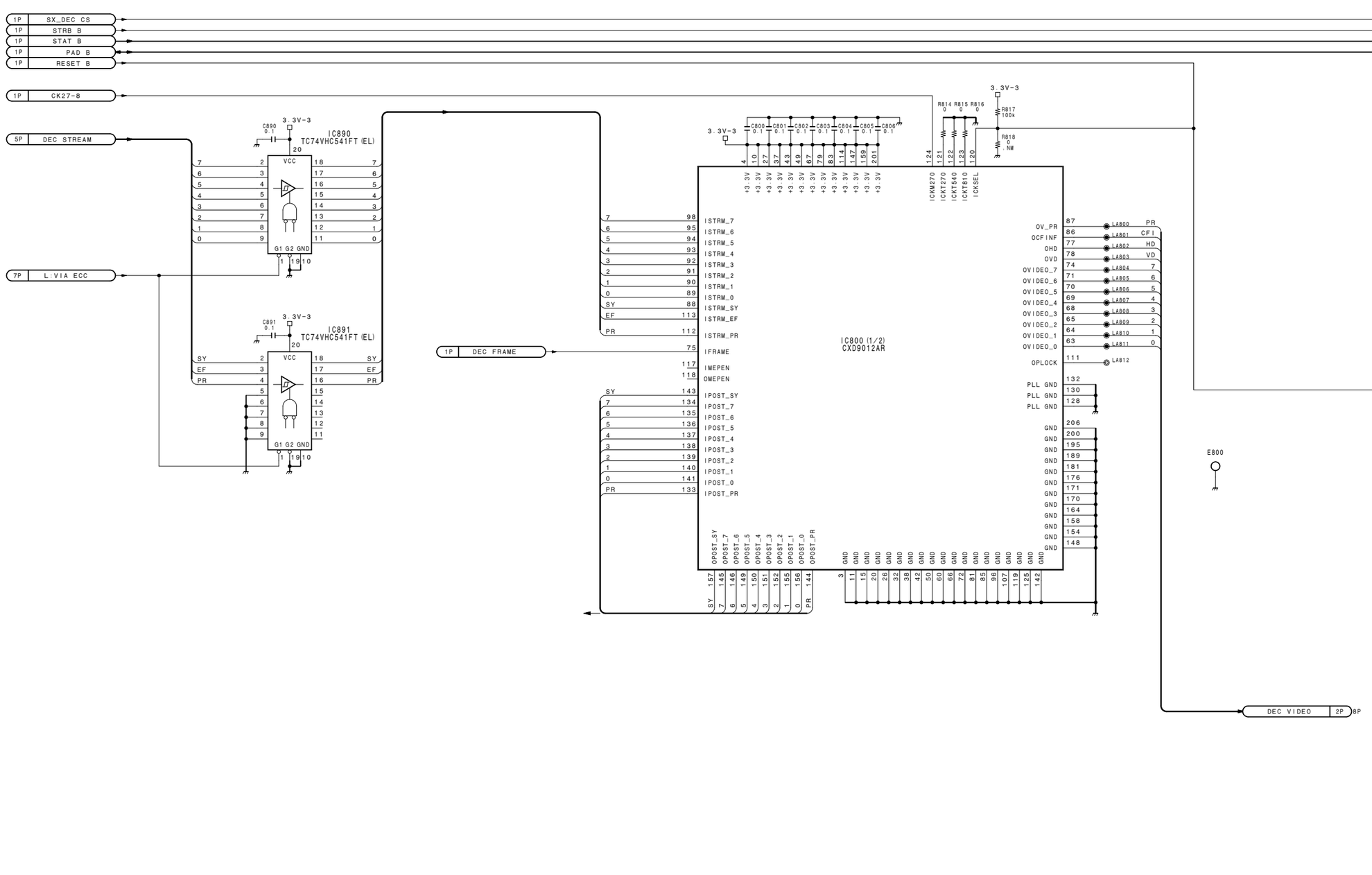
Digital data processor (Audio/Video processor)

DPR-118C (5/9)

BOARD NO. 1-670-579-21
LOT NO. 807- (DPR-118C: For DNW-A65/A65P)
LOT NO. 905- (DPR-118F: For DNW-65/65P)

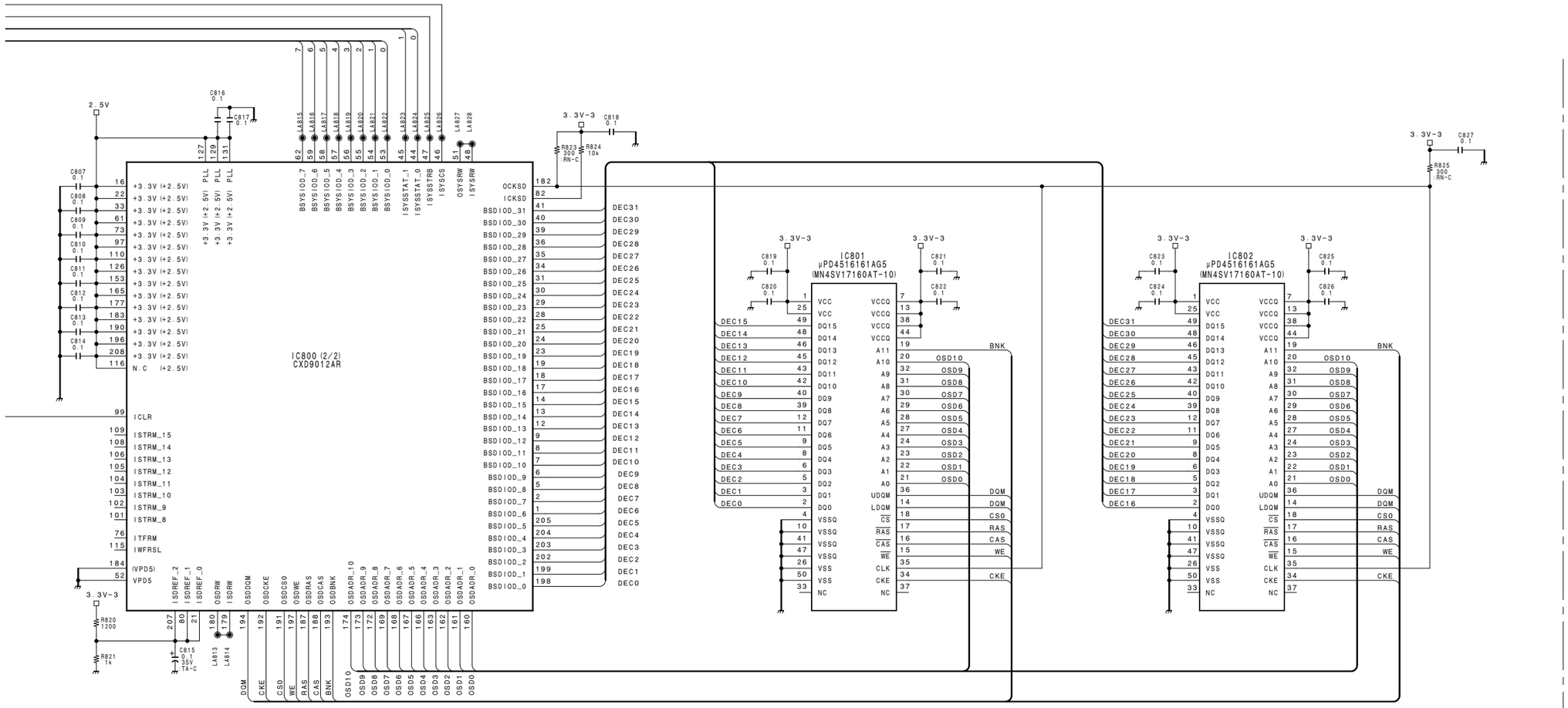
B-¥DNWA65-DPR118C-22@/M

DPR-118C (6/9) DNW-65/65P



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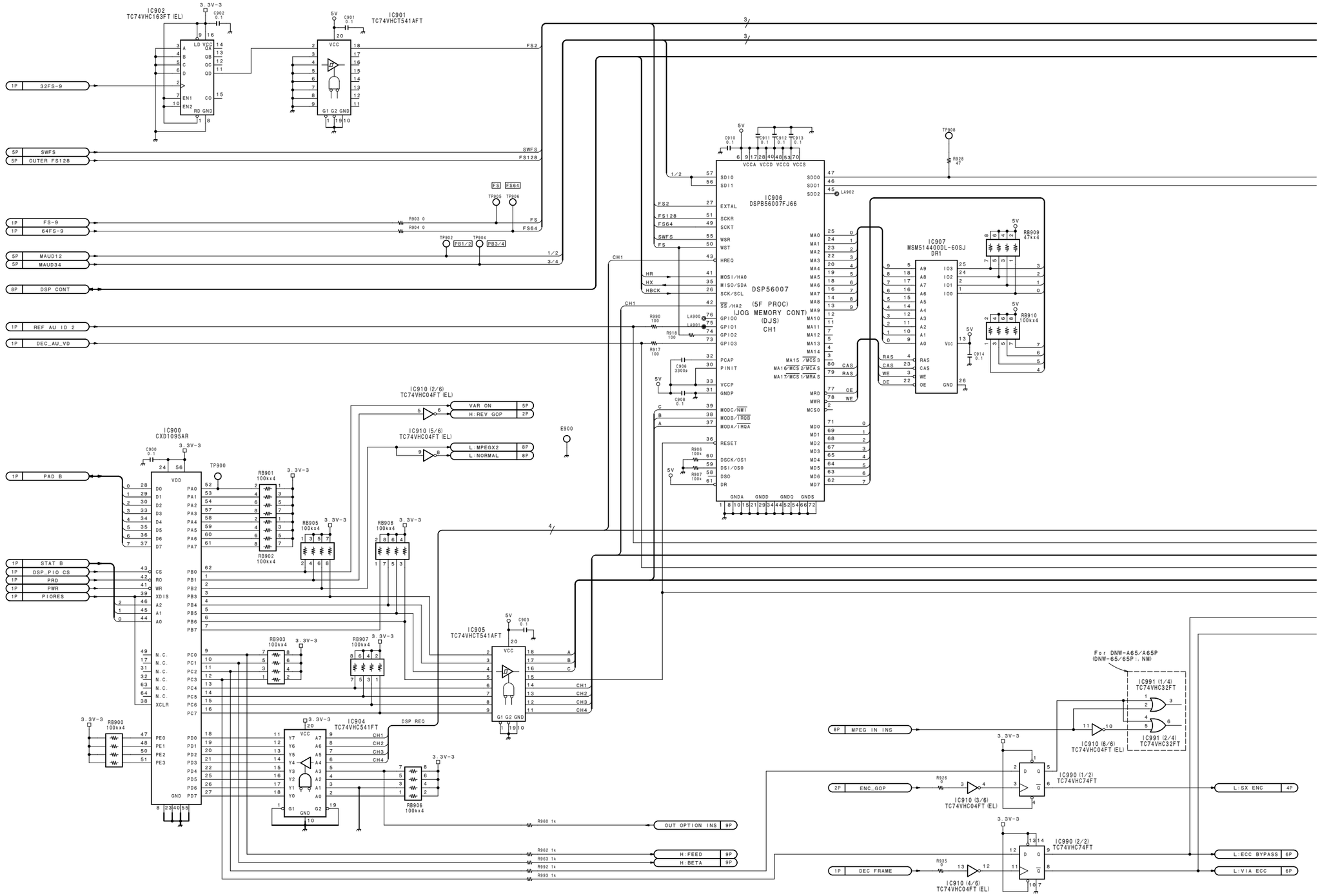
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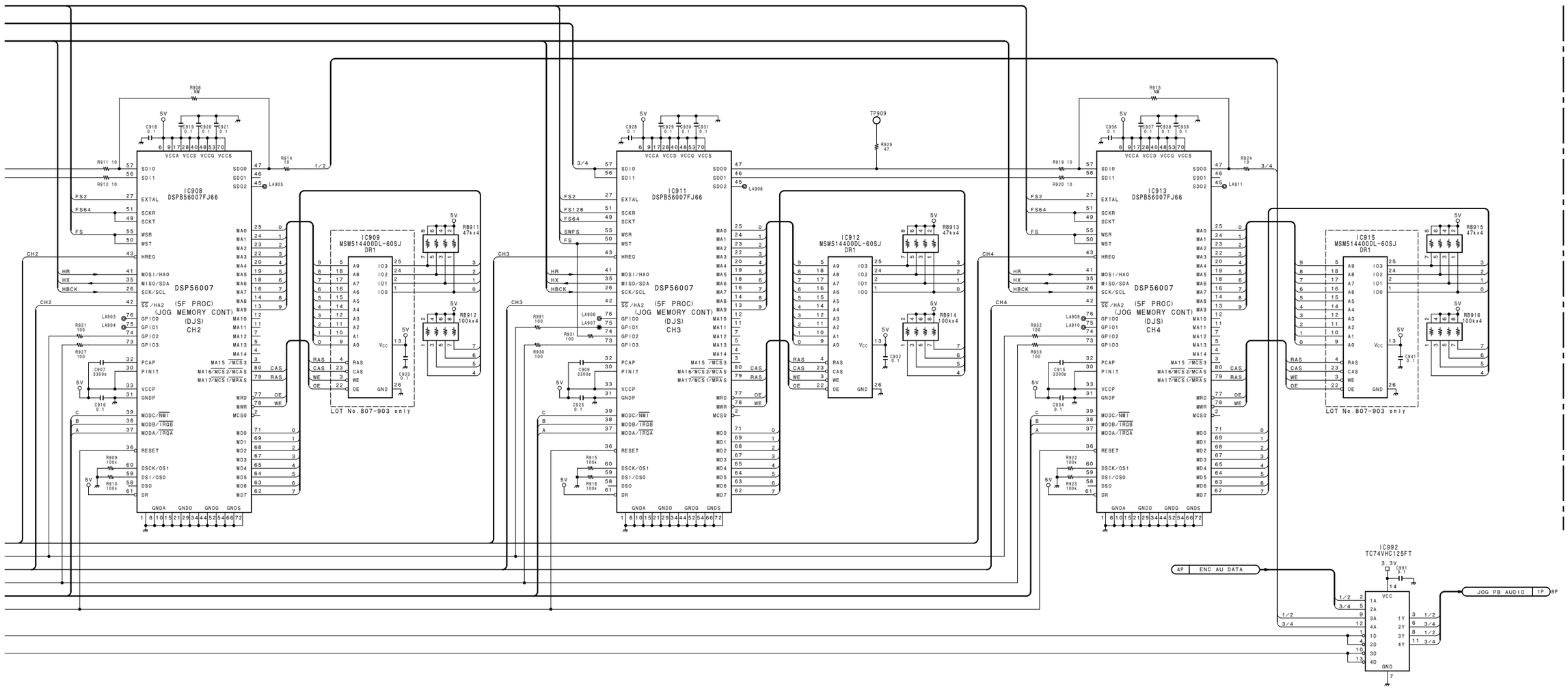


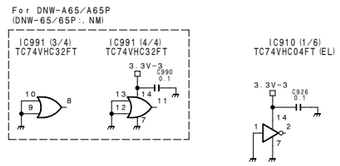
Digital data processor (Audio/Video processor)

DPR-118C (6/9)

BOARD NO. 1-670-579-21
LOT NO. 807- (DPR-118C: For DNW-A65/A65P)
LOT NO. 905- (DPR-118F: For DNW-65/65P)
B-¥DNWA65-DPR118C-22@/M


IC902
TC74VHC163FT (EL)
IC901
TC74VHCT541AFT
IC906
DSPB56007FJ66
DSP56007
(5F PROC)
(JOG MEMORY CONT)
(DJS)
CH1
IC907
MSM514400DL-60SJ
DR1
IC900
CXD1095AR
IC904
TC74VHC541FT
IC905
TC74VHCT541AFT
IC910 (2/6)
TC74VHC04FT (EL)
IC910 (5/6)
TC74VHC04FT (EL)
IC910 (6/6)
TC74VHC04FT (EL)
IC910 (3/6)
TC74VHC04FT (EL)
IC910 (4/6)
TC74VHC04FT (EL)
IC990 (1/2)
TC74VHC74FT
IC990 (2/2)
TC74VHC74FT
IC991 (1/4)
TC74VHC32FT
IC991 (2/4)
TC74VHC32FT
For DNW-A65/A65P
(DNW-65/65P :, NM)
3_3V-3
5V
32FS-9
SWFS
OUTER FS128
FS-9
64FS-9
MAUD12
MAUD34
DSP CONT
REF AU ID 2
DEC_AU_VD
PAD B
STAT B
DSP_PIO CS
PRD
PWR
PIORES
VAR ON
H:REV GOP
L:MPEGX2
L:NORMAL
MPEG IN INS
ENC_GOP
DEC FRAME
L:SX ENC
L:ECC BYPASS
L:VIA ECC
OUT OPTION INS
H:FEED
H:BETA
DSP REQ
FS2
FS128
FS64
SWFS
FS
HR
HX
HBCK
R990 100
R918 100
R917 100
R903 0
R904 0
R926 0
R935 0
R960 1k
R962 1k
R963 1k
R992 1k
R993 1k
R906 100k
R907 100k
R928 47
RB901 100x4
RB902 100x4
RB903 100x4
RB905 100x4
RB906 100x4
RB907 100x4
RB908 100x4
RB909 47x4
RB910 100x4
RB900 100x4
TP900
TP902
TP904
TP906
TP908
E900
LA900
LA901
LA902
C900 0.1
C901 0.1
C902 0.1
C903 0.1
C906 3300p
C908 0.1
C910 0.1
C911 0.1
C912 0.1
C913 0.1
C914 0.1

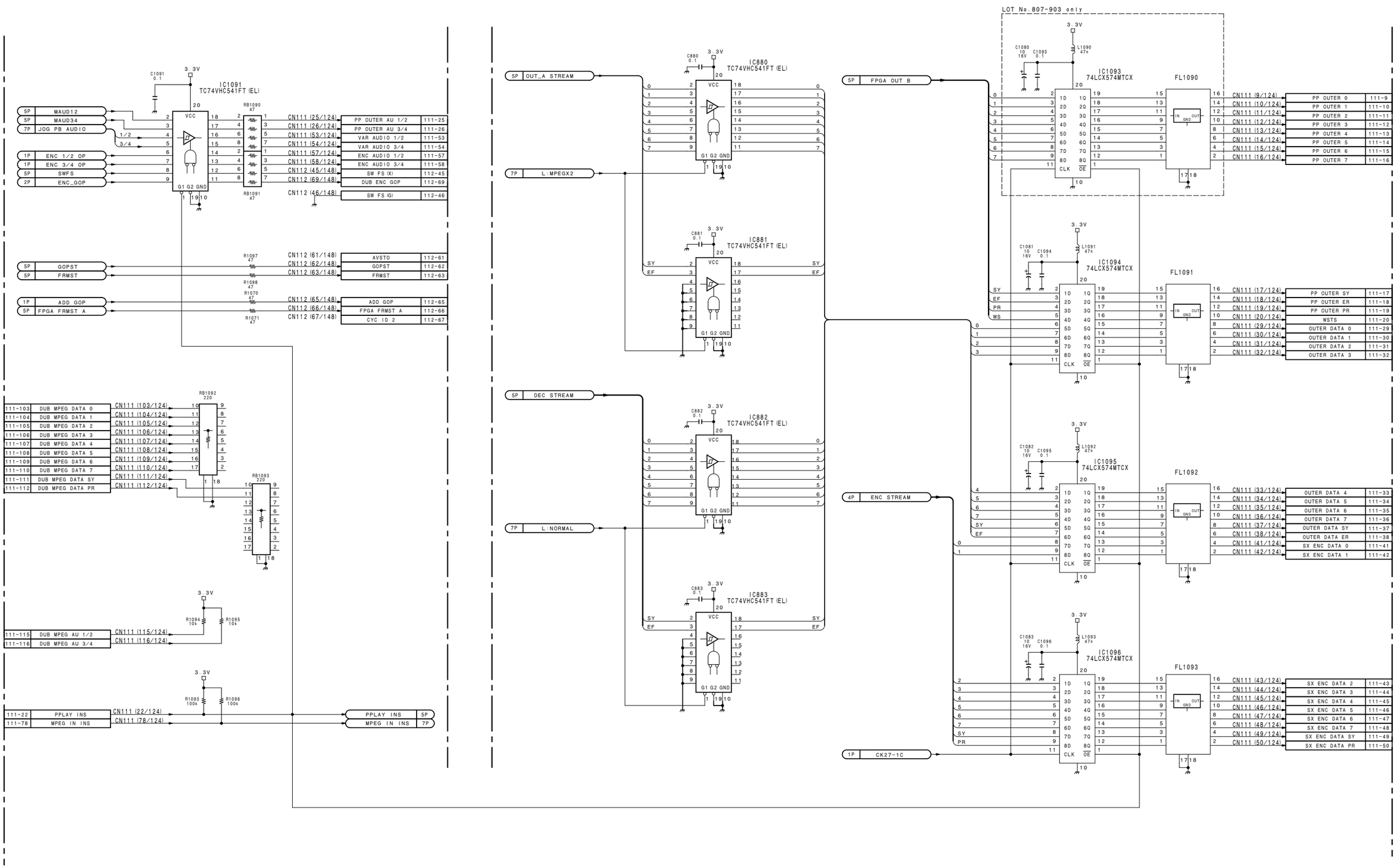


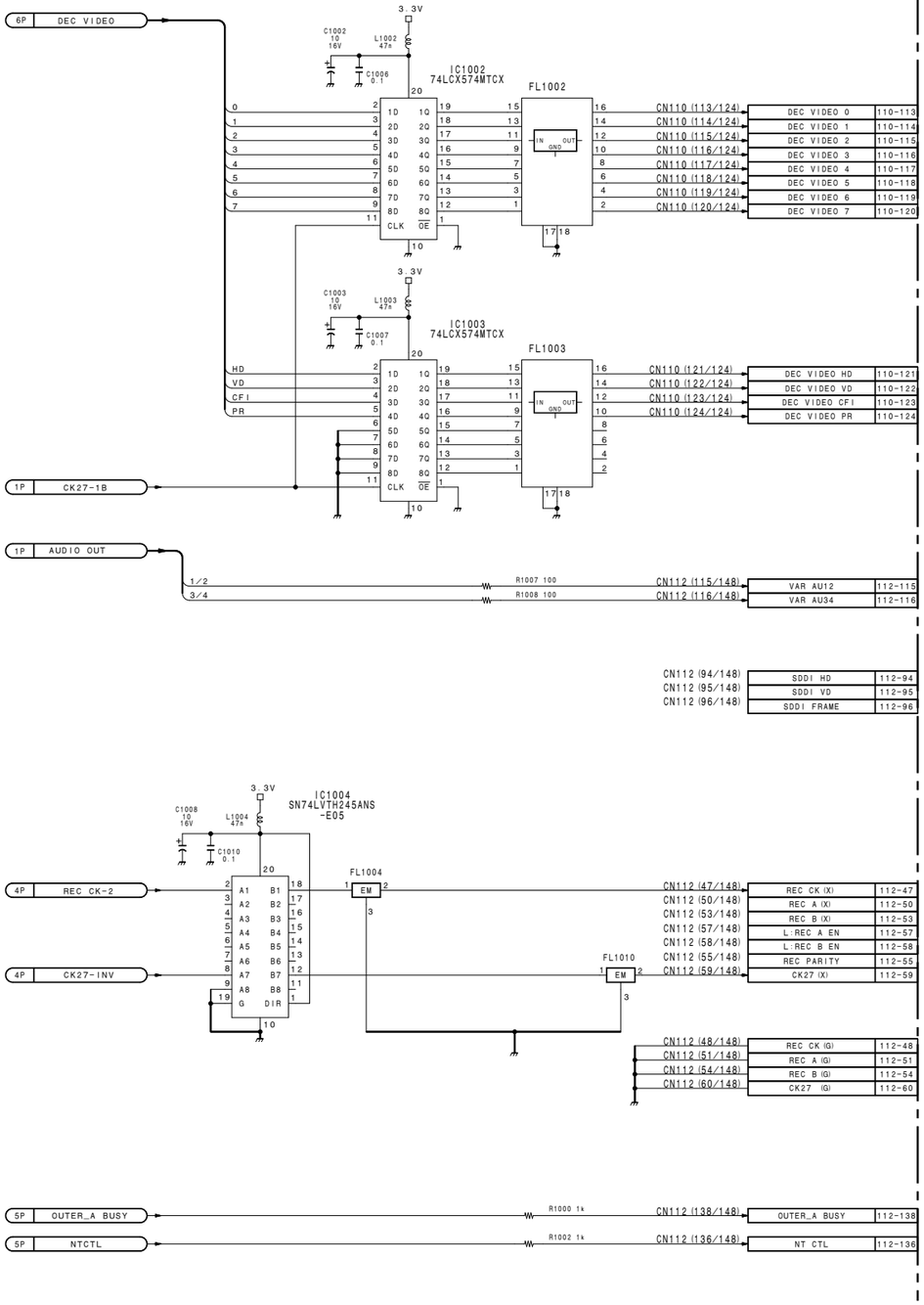


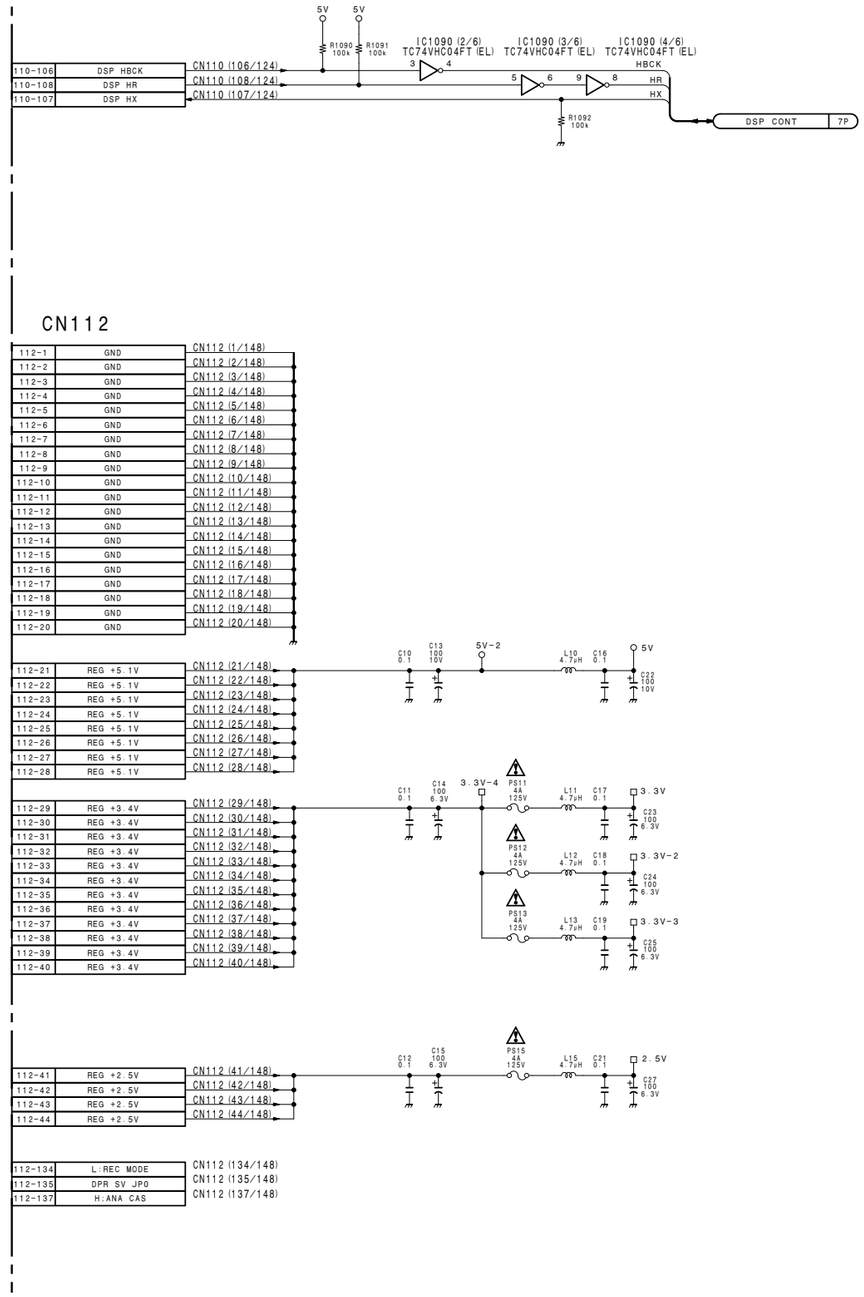
Digital data processor (Audio/Video processor)

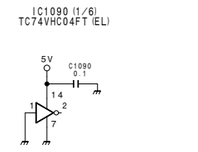
DPR-118C (7/9)

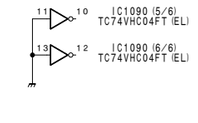
BOARD NO. 1-670-579-21
LOT NO. 807- (DPR-118C: For DNW-A65/A65P)
LOT NO. 905- (DPR-118F: For DNW-65/65P)
B-¥DNWA65-DPR118C-22@/M


IC1091
TC74VHC541FT (EL)
MAUD12
MAUD34
JOG PB AUDIO
ENC 1/2 OP
ENC 3/4 OP
SWFS
ENC_GOP
PP OUTER AU 1/2
PP OUTER AU 3/4
VAR AUDIO 1/2
VAR AUDIO 3/4
ENC AUDIO 1/2
ENC AUDIO 3/4
SW FS (X)
DUB ENC GOP
SW FS (G)
GOPST
FRMST
AVSTO
ADD GOP
FPGA FRMST A
CYC ID 2
DUB MPEG DATA 0
DUB MPEG DATA 1
DUB MPEG DATA 2
DUB MPEG DATA 3
DUB MPEG DATA 4
DUB MPEG DATA 5
DUB MPEG DATA 6
DUB MPEG DATA 7
DUB MPEG DATA SY
DUB MPEG DATA PR
DUB MPEG AU 1/2
DUB MPEG AU 3/4
PPLAY INS
MPEG IN INS
OUT_A STREAM
L:MPEGX2
DEC STREAM
L:NORMAL
IC880
IC881
IC882
IC883
TC74VHC541FT (EL)
FPGA OUT B
ENC STREAM
CK27-1C
IC1093
IC1094
IC1095
IC1096
74LCX574MTCX
FL1090
FL1091
FL1092
FL1093
LOT No.807-903 only
OUTER DATA 0
OUTER DATA 1
OUTER DATA 2
OUTER DATA 3
OUTER DATA 4
OUTER DATA 5
OUTER DATA 6
OUTER DATA 7
OUTER DATA SY
OUTER DATA ER
SX ENC DATA 0
SX ENC DATA 1
SX ENC DATA 2
SX ENC DATA 3
SX ENC DATA 4
SX ENC DATA 5
SX ENC DATA 6
SX ENC DATA 7
SX ENC DATA SY
SX ENC DATA PR
PP OUTER 0
PP OUTER 1
PP OUTER 2
PP OUTER 3
PP OUTER 4
PP OUTER 5
PP OUTER 6
PP OUTER 7
PP OUTER SY
PP OUTER ER
PP OUTER PR
WSTS
OUTER DATA 0
OUTER DATA 1
OUTER DATA 2
OUTER DATA 3







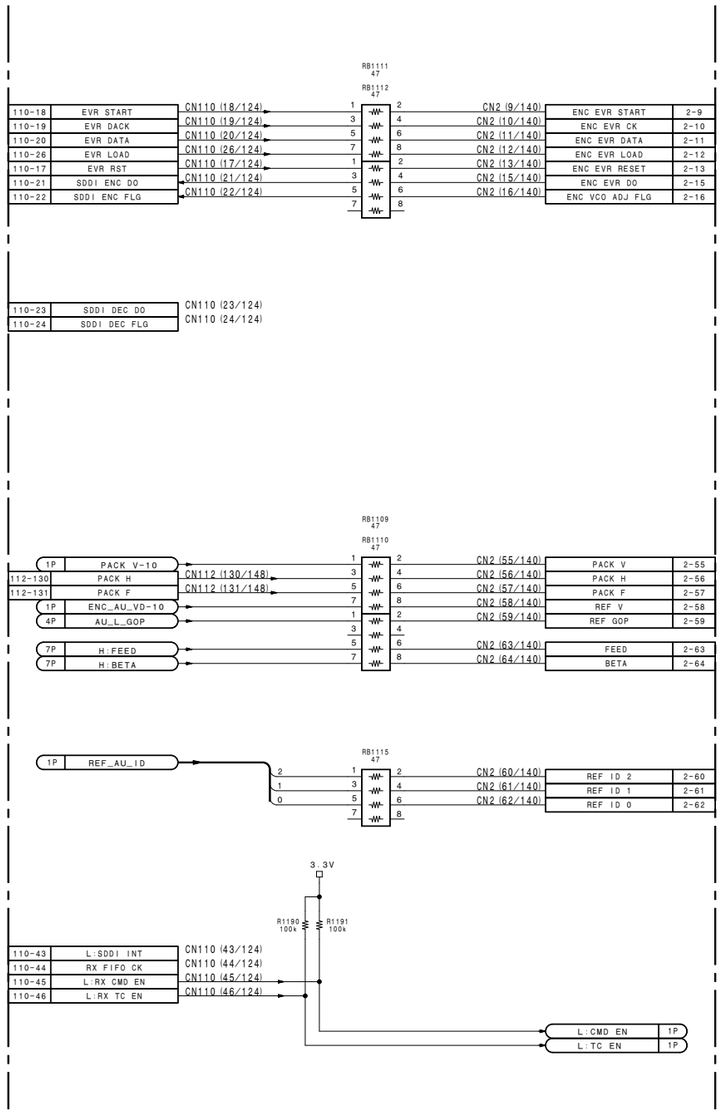


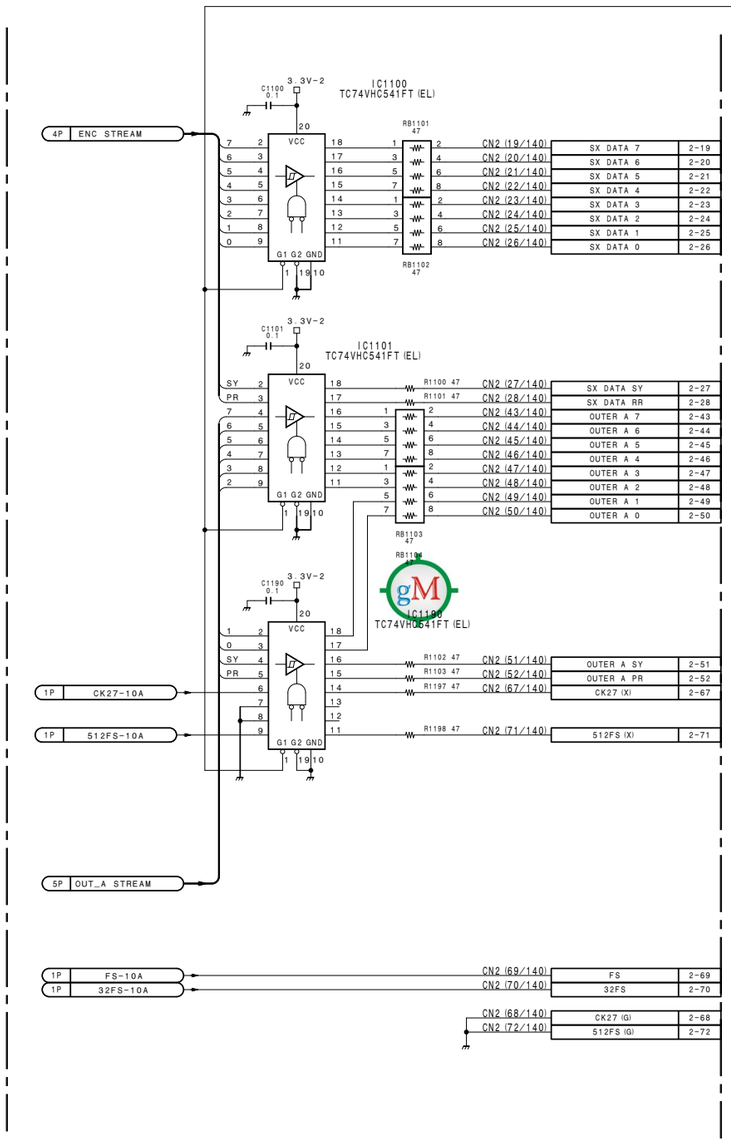
Digital data processor (Audio/Video processor)

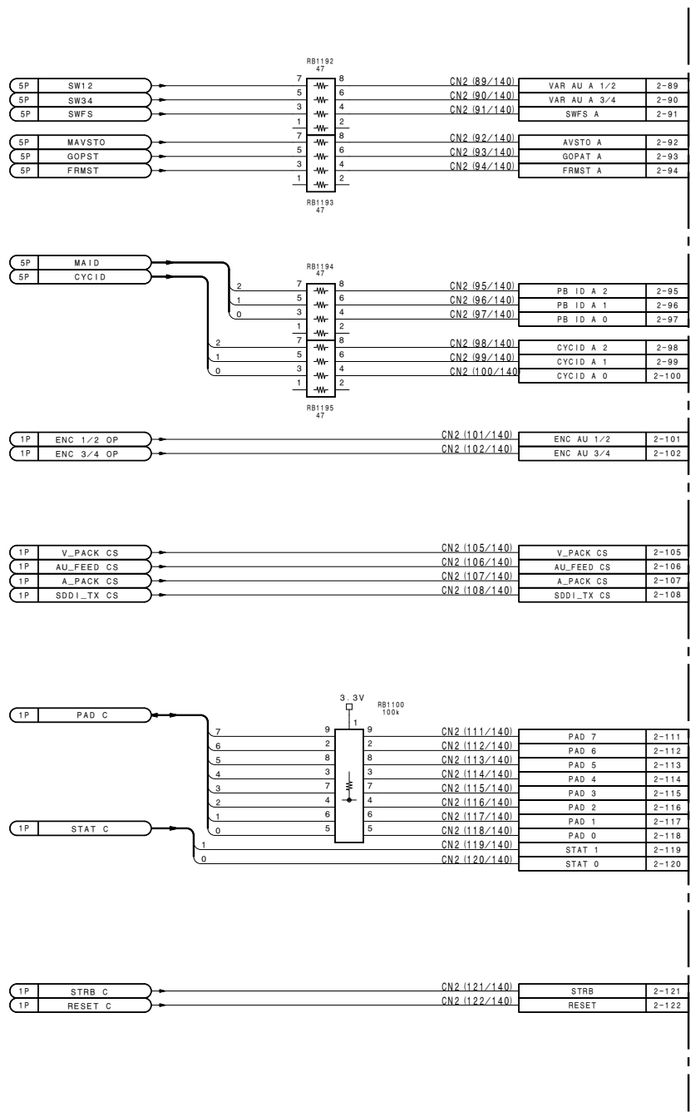
DPR-118C (8/9)

BOARD NO. 1-670-579-21
LOT NO. 807- (DPR-118C: For DNW-A65/A65P)
LOT NO. 905- (DPR-118F: For DNW-65/65P)
B-¥DNWA65-DPR118C-22@/M

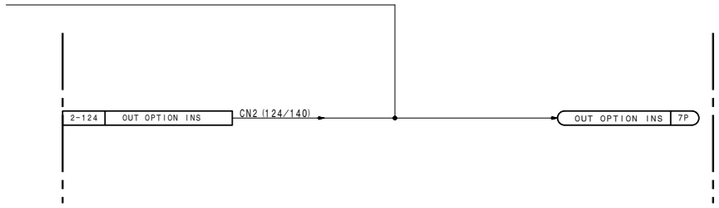
DPR-118C (9/9) DNW-65/65P

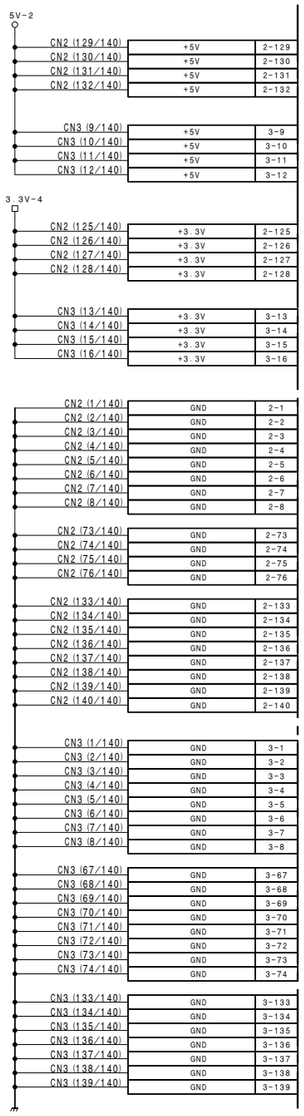






3-70





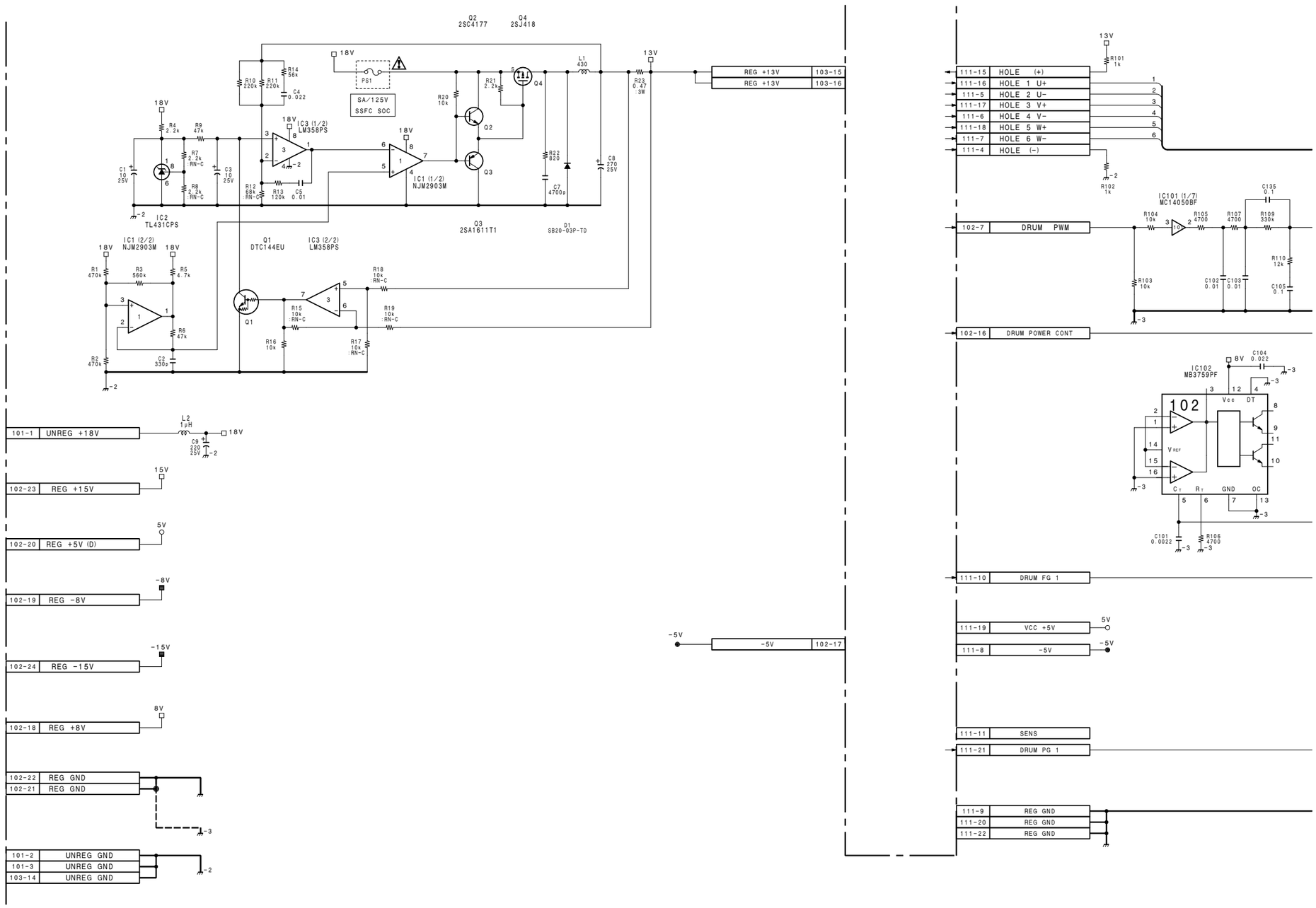
Digital data processor (Audio/Video processor)

DPR-118C (9/9)

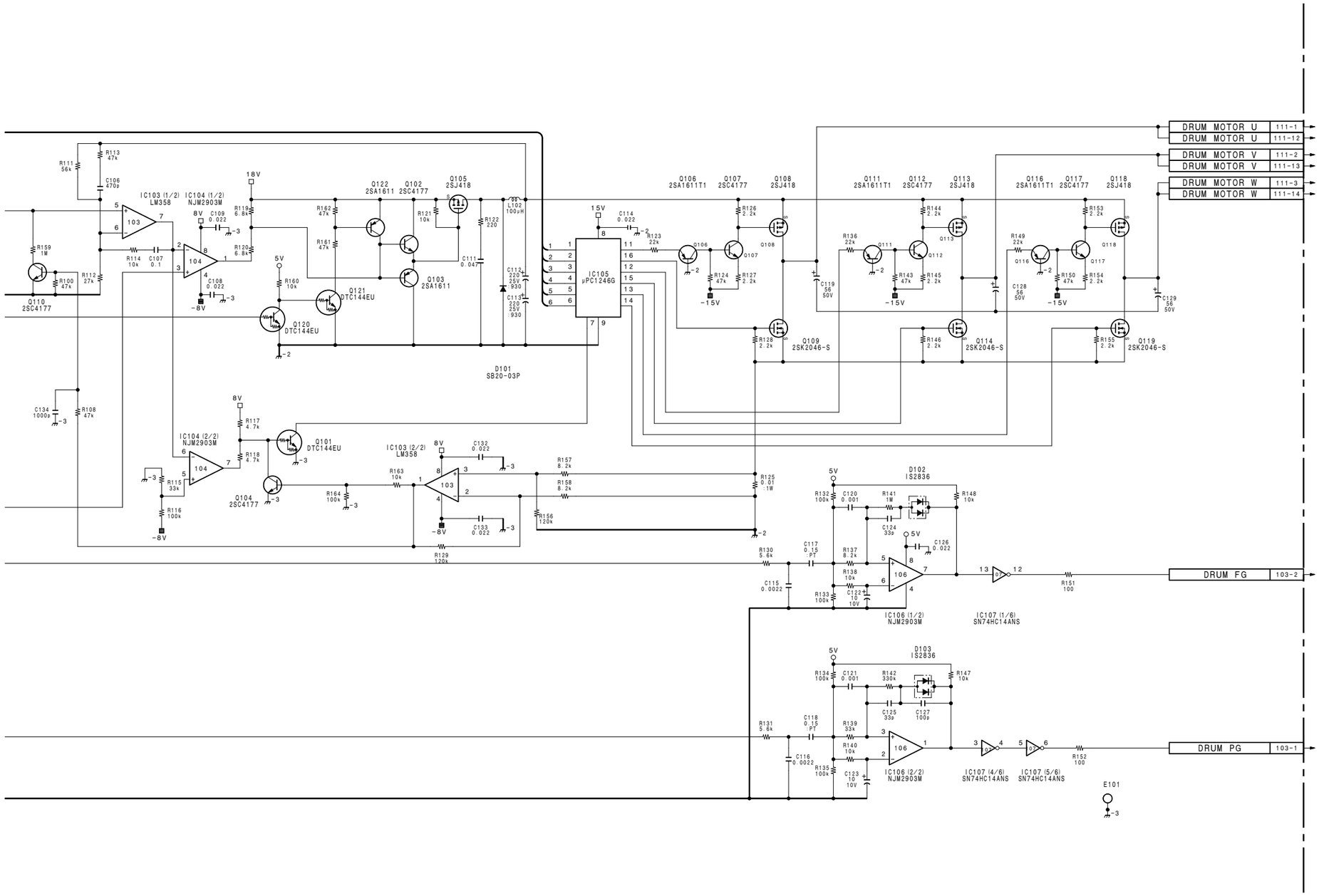
BOARD NO. 1-670-579-21
LOT NO. 807- (DPR-118C: For DNW-A65/A65P)
LOT NO. 905- (DPR-118F: For DNW-65/65P)

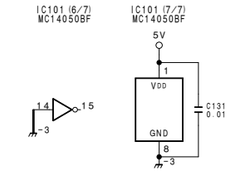
B-¥DNWA65-DPR118C-22@/M

コネクタの接続先についてはFrame Wiring（3-218/222ページ）を参照。
Refer to the Farme Wiring (Page 3-218/222) in regard to destinations of connectors.



DR-315 (1/2)



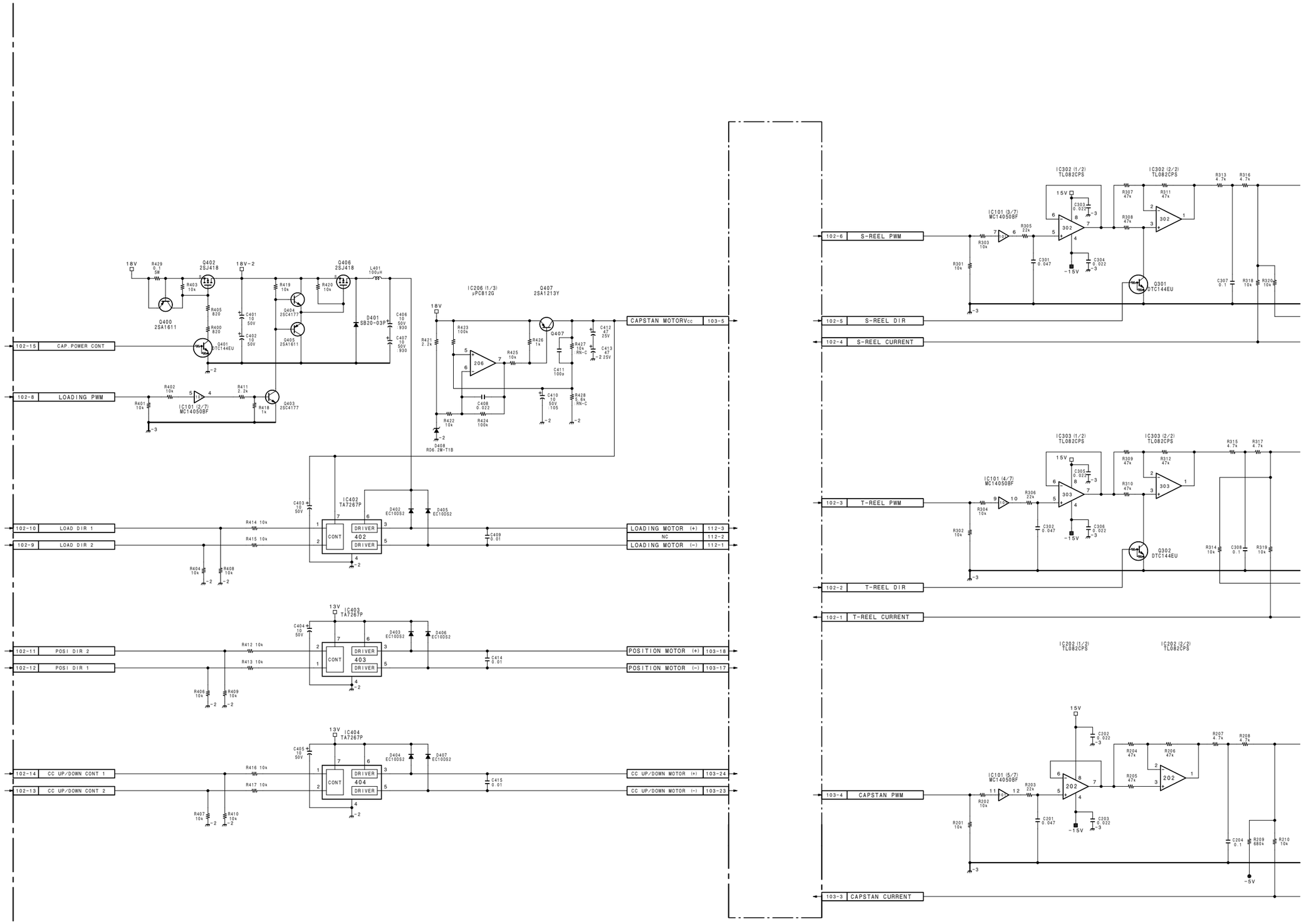


Motors driver (Drum, Capstan, Reels, Threading, Reel shift, Cassette up/down)

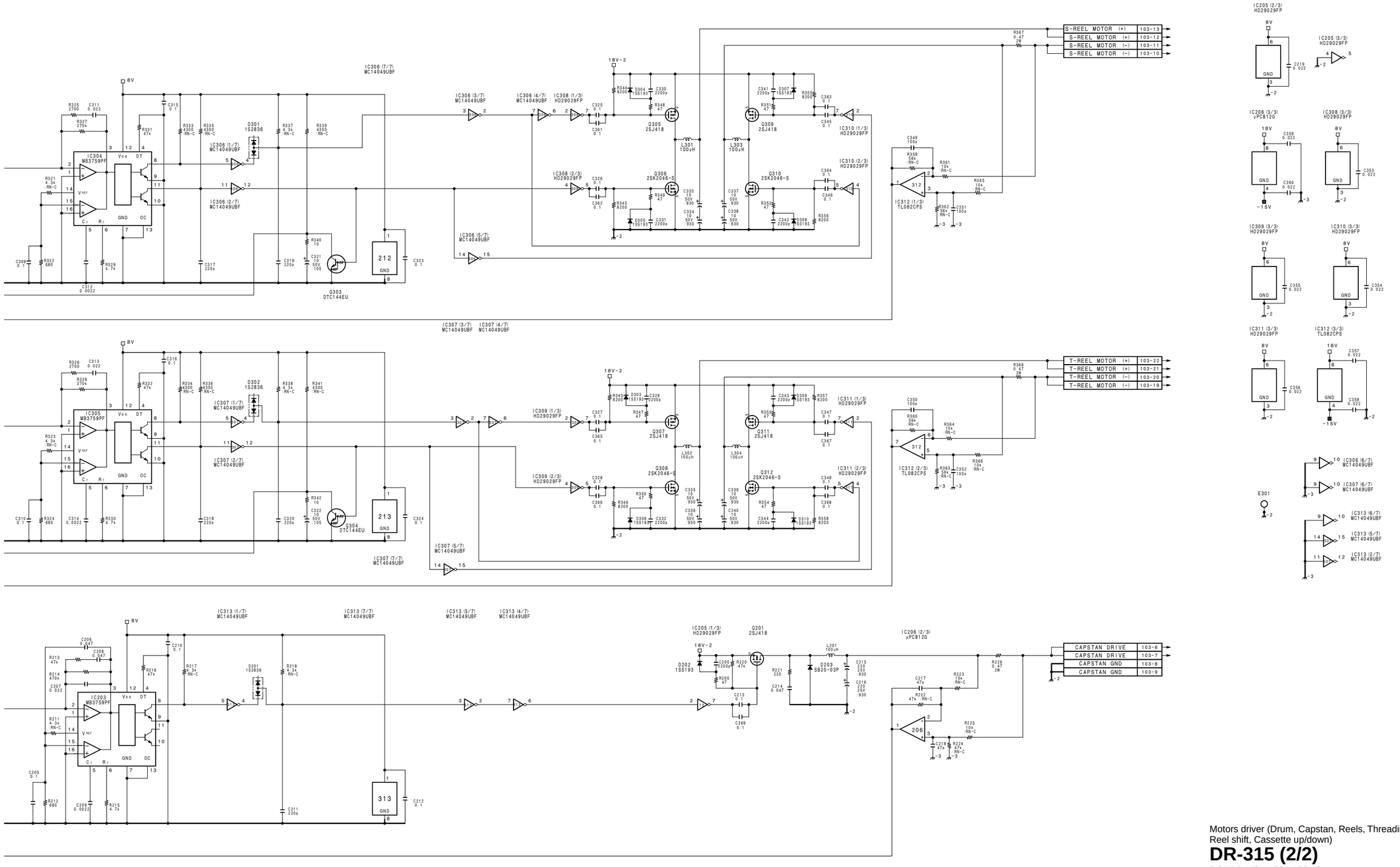
DR-315 (1/2)

BOARD NO. 1-661-150-13
LOT NO. 804-

B-¥DNWA75-DR315K-13/M


102-15 CAP_POWER CONT
102-8 LOADING PWM
102-10 LOAD DIR 1
102-9 LOAD DIR 2
102-11 POSI DIR 2
102-12 POSI DIR 1
102-14 CC UP/DOWN CONT 1
102-13 CC UP/DOWN CONT 2
CAPSTAN MOTORVcc 103-5
LOADING MOTOR (+) 112-3
NC 112-2
LOADING MOTOR (-) 112-1
POSITION MOTOR (+) 103-18
POSITION MOTOR (-) 103-17
CC UP/DOWN MOTOR (+) 103-24
CC UP/DOWN MOTOR (-) 103-23
102-6 S-REEL PWM
102-5 S-REEL DIR
102-4 S-REEL CURRENT
102-3 T-REEL PWM
102-2 T-REEL DIR
102-1 T-REEL CURRENT
103-4 CAPSTAN PWM
103-3 CAPSTAN CURRENT
IC206 (1/3) µPC812G
Q407 2SA1213Y
IC101 (2/7) MC14050BF
IC101 (3/7) MC14050BF
IC101 (4/7) MC14050BF
IC101 (5/7) MC14050BF
IC402 TA7267P
IC403 TA7267P
IC404 TA7267P
IC302 (1/2) TL082CPS
IC302 (2/2) TL082CPS
IC303 (1/2) TL082CPS
IC303 (2/2) TL082CPS
IC202 (1/2) TL082CPS
IC202 (2/2) TL082CPS
Q400 2SA1611
Q401 DTC144EU
Q402 2SJ418
Q403 2SC4177
Q404 2SC4177
Q405 2SA1611
Q406 2SJ418
Q301 DTC144EU
Q302 DTC144EU
D401 SB20-03P
D408 RD6.2M-T1B
18V
13V
15V
-15V
-5V

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Motors driver (Drum, Capstan, Reels, Threading, Reel shift, Cassette up/down)

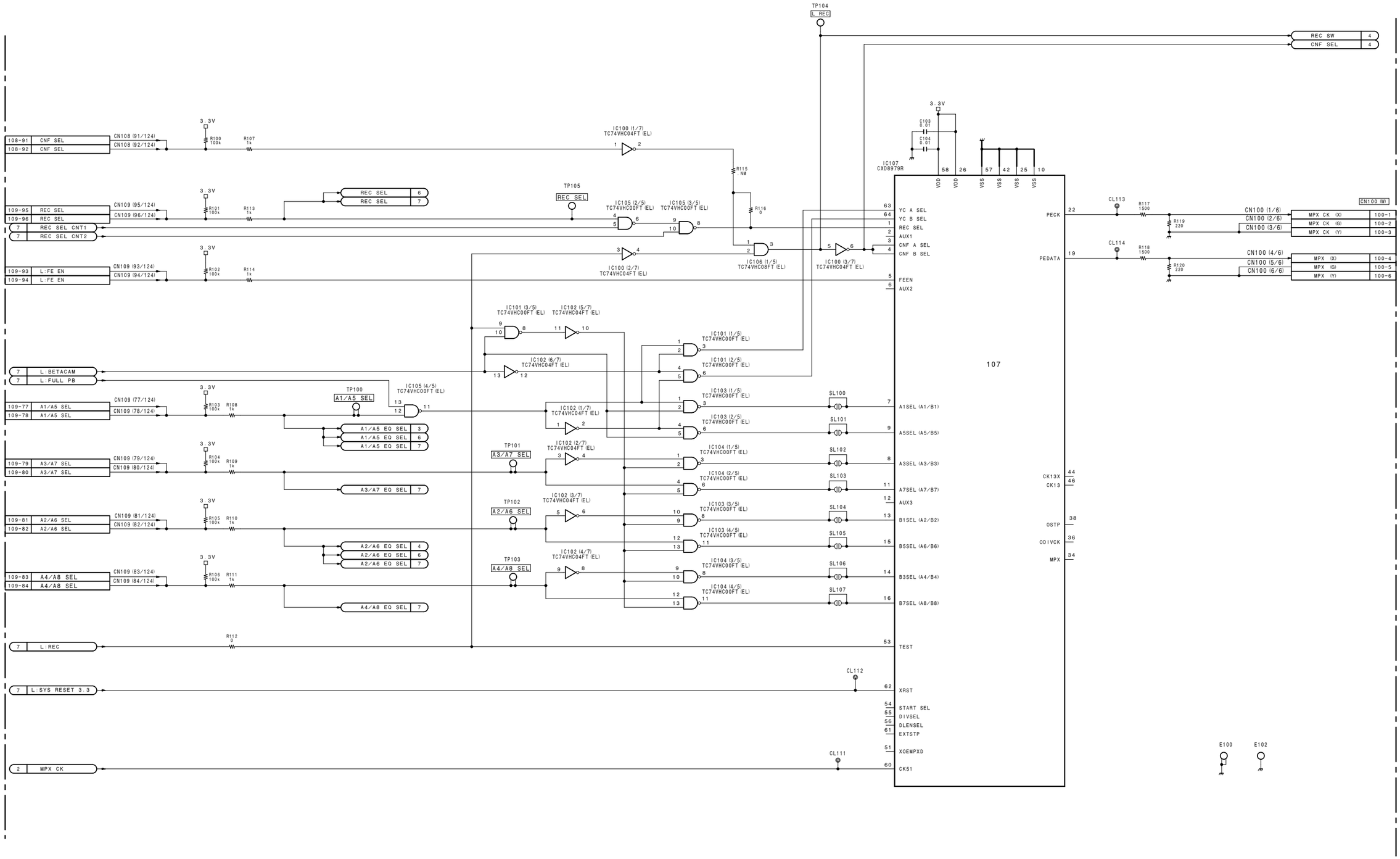
DR-315 (2/2)

BOARD NO. 1-661-150-13
LOT NO. 804-

B-¥DNWA75-DR315K-13/M

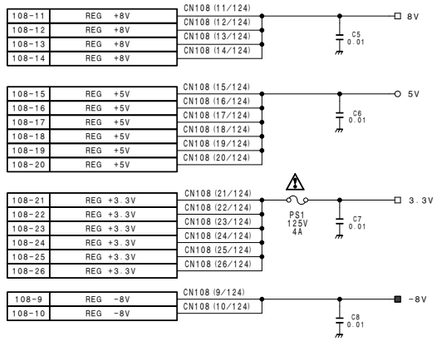
EQ-75/75C (1/7)

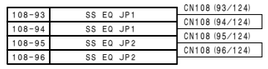
コネクタの接続先についてはMB-818基板回路図（ 3-98 ページ）またはFrame Wiring（ 3-219/223ページ）を参照。
Refer to the MB-818 board schematic diagrams (Page 3-98) or the Farme Wiring (Page 3-219/223) in regard to destinations of connectors.

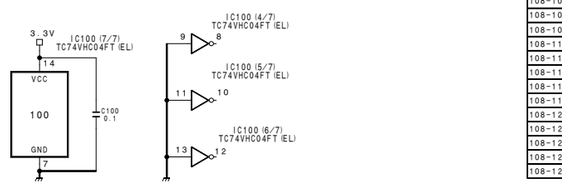


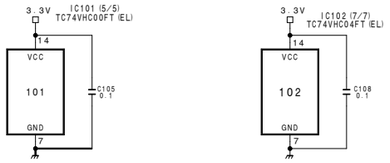
3-76

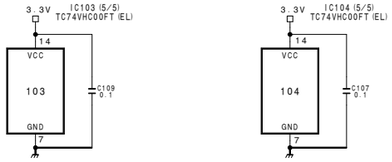
EQ-75/75C (1/7)

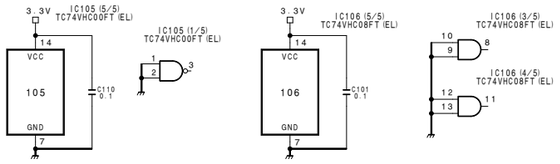












108-1	GND	CN108 (1/124)
108-2	GND	CN108 (2/124)
108-3	GND	CN108 (3/124)
108-4	GND	CN108 (4/124)
108-5	GND	CN108 (5/124)
108-6	GND	CN108 (6/124)
108-7	GND	CN108 (7/124)
108-8	GND	CN108 (8/124)
108-37	GND	CN108 (37/124)
108-38	GND	CN108 (38/124)
108-51	GND	CN108 (51/124)
108-52	GND	CN108 (52/124)
108-53	GND	CN108 (53/124)
108-54	GND	CN108 (54/124)
108-55	GND	CN108 (55/124)
108-56	GND	CN108 (56/124)
108-57	GND	CN108 (57/124)
108-58	GND	CN108 (58/124)
108-59	GND	CN108 (59/124)
108-60	GND	CN108 (60/124)
108-69	GND	CN108 (69/124)
108-70	GND	CN108 (70/124)
108-71	GND	CN108 (71/124)
108-72	GND	CN108 (72/124)
108-73	GND	CN108 (73/124)
108-74	GND	CN108 (74/124)
108-75	GND	CN108 (75/124)
108-76	GND	CN108 (76/124)
108-81	GND	CN108 (81/124)
108-82	GND	CN108 (82/124)
108-83	GND	CN108 (83/124)
108-84	GND	CN108 (84/124)
108-85	GND	CN108 (85/124)
108-86	GND	CN108 (86/124)
108-89	GND	CN108 (89/124)
108-90	GND	CN108 (90/124)
108-97	GND	CN108 (97/124)
108-98	GND	CN108 (98/124)
108-99	GND	CN108 (99/124)
108-100	GND	CN108 (100/124)
108-101	GND	CN108 (101/124)
108-102	GND	CN108 (102/124)
108-113	GND	CN108 (113/124)
108-114	GND	CN108 (114/124)
108-117	GND	CN108 (117/124)
108-118	GND	CN108 (118/124)
108-119	GND	CN108 (119/124)
108-120	GND	CN108 (120/124)
108-121	GND	CN108 (121/124)
108-122	GND	CN108 (122/124)
108-123	GND	CN108 (123/124)
108-124	GND	CN108 (124/124)

108-27	(A) GND	CN108 (27/124)
108-28	(A) GND	CN108 (28/124)
108-31	(A) GND	CN108 (31/124)
108-32	(A) GND	CN108 (32/124)
108-35	(A) GND	CN108 (35/124)
108-36	(A) GND	CN108 (36/124)

109-13	DPR EQ JP0	CN109 (13/124)
109-14	DPR EQ JP0	CN109 (14/124)
109-15	DPR EQ JP1	CN109 (15/124)
109-16	DPR EQ JP1	CN109 (16/124)
109-17	DPR EQ JP2	CN109 (17/124)
109-18	DPR EQ JP2	CN109 (18/124)
109-19	DPR EQ JP3	CN109 (19/124)
109-20	DPR EQ JP3	CN109 (20/124)
109-21	DPR EQ JP4	CN109 (21/124)
109-22	DPR EQ JP4	CN109 (22/124)

109-117	REG +15V	CN109 (117/124)
109-118	REG +15V	CN109 (118/124)
109-119	REG -15V	CN109 (119/124)
109-120	REG -15V	CN109 (120/124)

109-1	GND	CN109 (1/124)
109-2	GND	CN109 (2/124)
109-3	GND	CN109 (3/124)
109-4	GND	CN109 (4/124)
109-9	GND	CN109 (9/124)
109-10	GND	CN109 (10/124)
109-11	GND	CN109 (11/124)
109-12	GND	CN109 (12/124)
109-23	GND	CN109 (23/124)
109-24	GND	CN109 (24/124)
109-29	GND	CN109 (29/124)
109-30	GND	CN109 (30/124)
109-31	GND	CN109 (31/124)
109-32	GND	CN109 (32/124)
109-53	GND	CN109 (53/124)
109-54	GND	CN109 (54/124)
109-75	GND	CN109 (75/124)
109-76	GND	CN109 (76/124)
109-85	GND	CN109 (85/124)
109-86	GND	CN109 (86/124)
109-91	GND	CN109 (91/124)
109-92	GND	CN109 (92/124)
109-97	GND	CN109 (97/124)
109-98	GND	CN109 (98/124)
109-105	GND	CN109 (105/124)
109-106	GND	CN109 (106/124)
109-113	GND	CN109 (113/124)
109-114	GND	CN109 (114/124)
109-115	GND	CN109 (115/124)
109-116	GND	CN109 (116/124)
109-121	GND	CN109 (121/124)
109-122	GND	CN109 (122/124)
109-123	GND	CN109 (123/124)
109-124	GND	CN109 (124/124)

109-99	(A) GND	CN109 (99/124)
109-100	(A) GND	CN109 (100/124)
109-111	(A) GND	CN109 (111/124)
109-112	(A) GND	CN109 (112/124)

RF equalizer (PB EQ, Analog BETACAM PB buffer, Inner error correction)

EQ-75C (1/7) (For DNW-A65/A65P/65/65P)

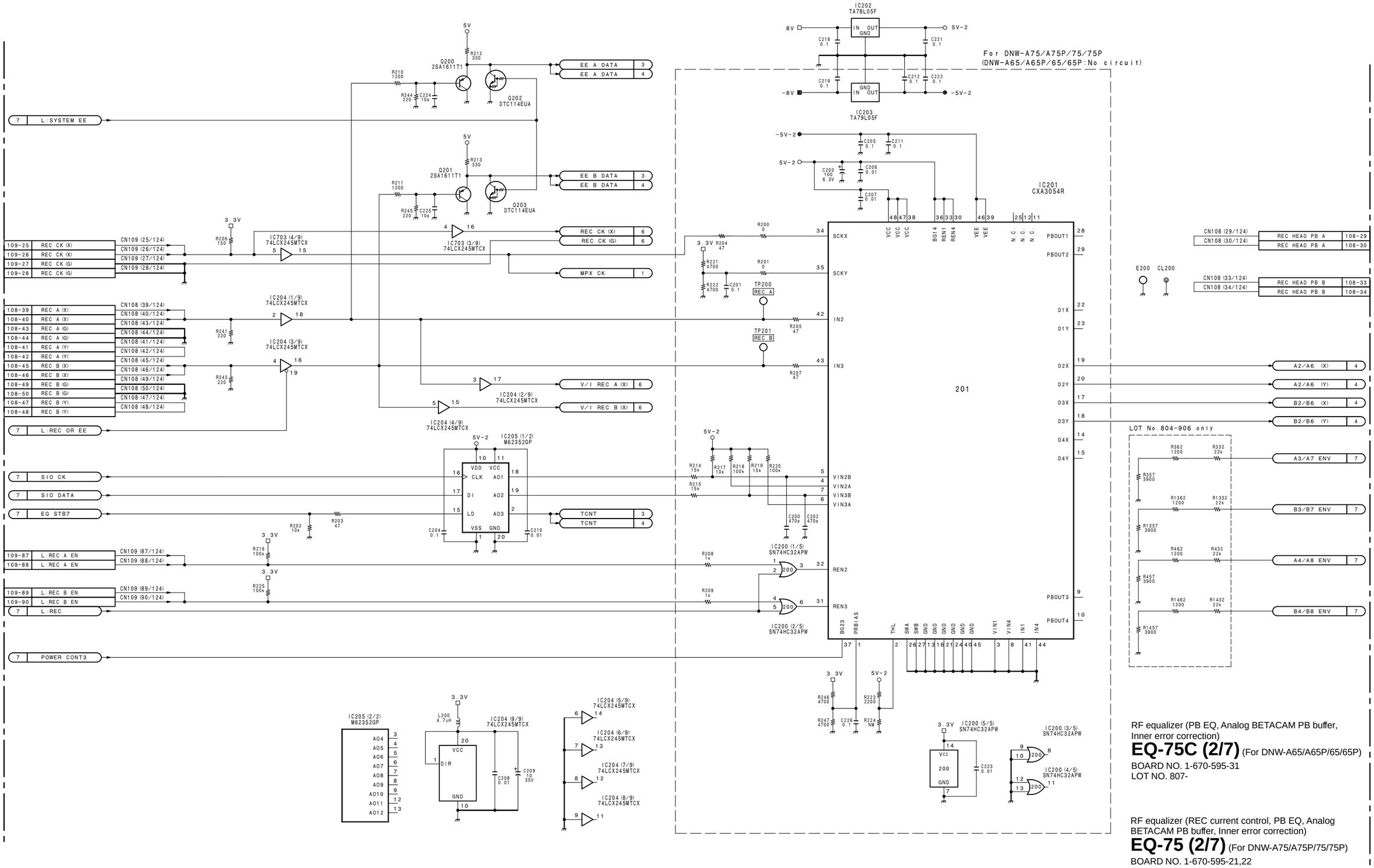
BOARD NO. 1-670-595-31
LOT NO. 807-

RF equalizer (REC current control, PB EQ, Analog BETACAM PB buffer, Inner error correction)

EQ-75 (1/7) (For DNW-A75/A75P/75/75P)

BOARD NO. 1-670-595-21,22
LOT NO. 804-

B-¥DNWA75-EQ-22/M



RF equalizer (PB EQ, Analog BETACAM PB buffer, Inner error correction)

EQ-75C (2/7) (For DNW-A65/A65P/65/65P)

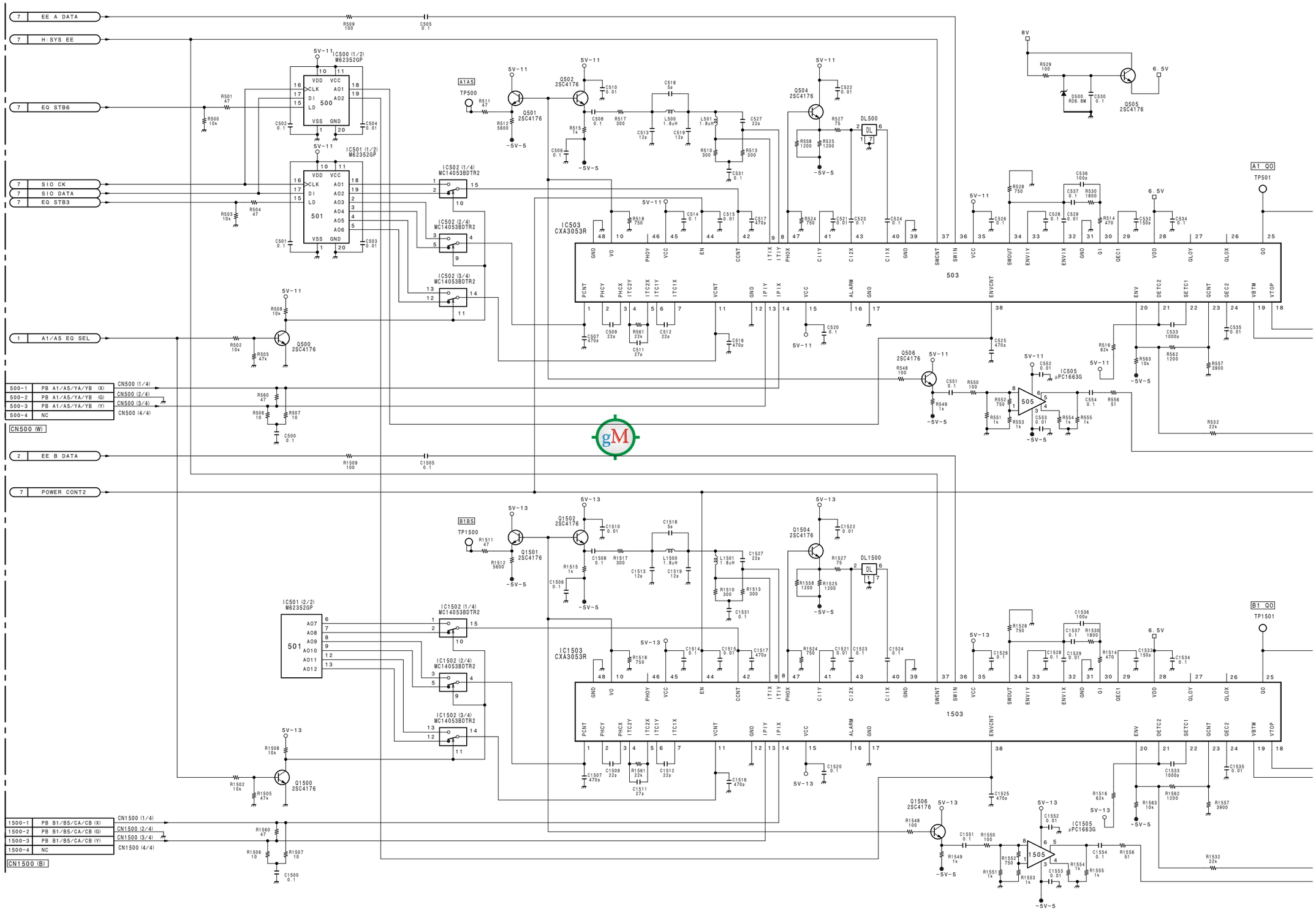
BOARD NO. 1-670-595-31
LOT NO. 807-

RF equalizer (REC current control, PB EQ, Analog BETACAM PB buffer, Inner error correction)

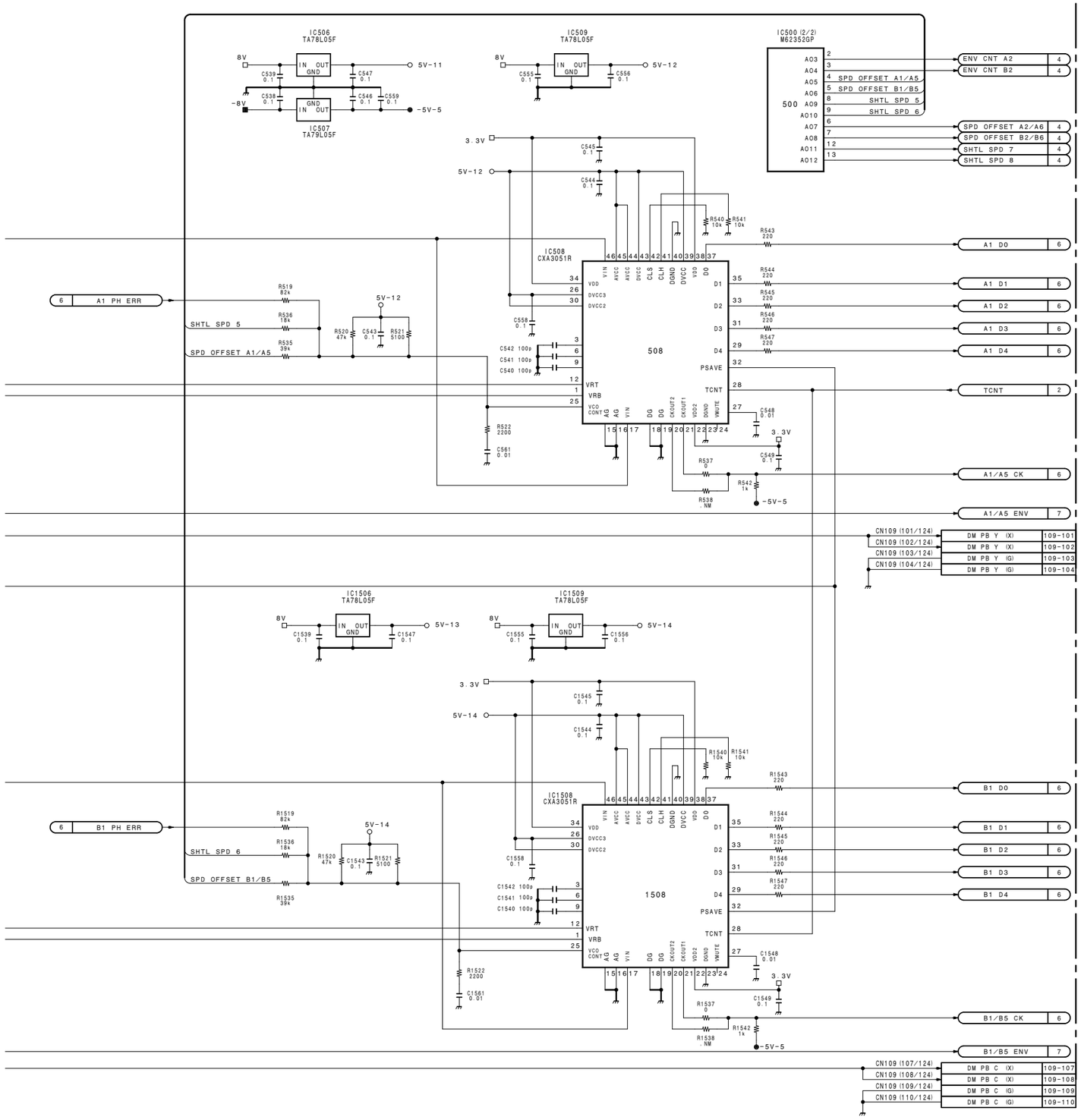
EQ-75 (2/7) (For DNW-A75/A75P/75/75P)

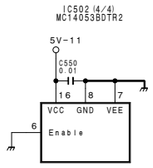
BOARD NO. 1-670-595-21,22
LOT NO. 804-

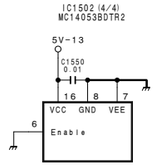
B-¥DNWA75-EQ-22/M


7 EE A DATA
7 H:SYS EE
7 EQ STB6
7 SIO CK
7 SIO DATA
7 EQ STB3
1 A1/A5 EQ SEL
2 EE B DATA
7 POWER CONT2
500-1 PB A1/A5/YA/YB (X)
500-2 PB A1/A5/YA/YB (G)
500-3 PB A1/A5/YA/YB (Y)
500-4 NC
CN500 (W)
CN500 (1/4)
CN500 (2/4)
CN500 (3/4)
CN500 (4/4)
1500-1 PB B1/B5/CA/CB (X)
1500-2 PB B1/B5/CA/CB (G)
1500-3 PB B1/B5/CA/CB (Y)
1500-4 NC
CN1500 (B)
CN1500 (1/4)
CN1500 (2/4)
CN1500 (3/4)
CN1500 (4/4)
IC500 (1/2) M62352GP
IC501 (1/2) M62352GP
IC501 (2/2) M62352GP
IC502 (1/4) MC14053BDTR2
IC502 (2/4) MC14053BDTR2
IC503 (3/4) MC14053BDTR2
IC503 CXA3053R
IC505 μPC1663G
A1A5
TP500
B1B5
TP1500
A1 QO
TP501
B1 QO
TP1501
DL500
DL1500
503
1503
8V
6.5V
5V-11
5V-13
-5V-5

EQ-75/75C (3/7)







RF equalizer (PB EQ, Analog BETACAM PB buffer, Inner error correction)

EQ-75C (3/7) (For DNW-A65/A65P/65/65P)

BOARD NO. 1-670-595-31
LOT NO. 807-

RF equalizer (REC current control, PB EQ, Analog BETACAM PB buffer, Inner error correction)

EQ-75 (3/7) (For DNW-A75/A75P/75/75P)

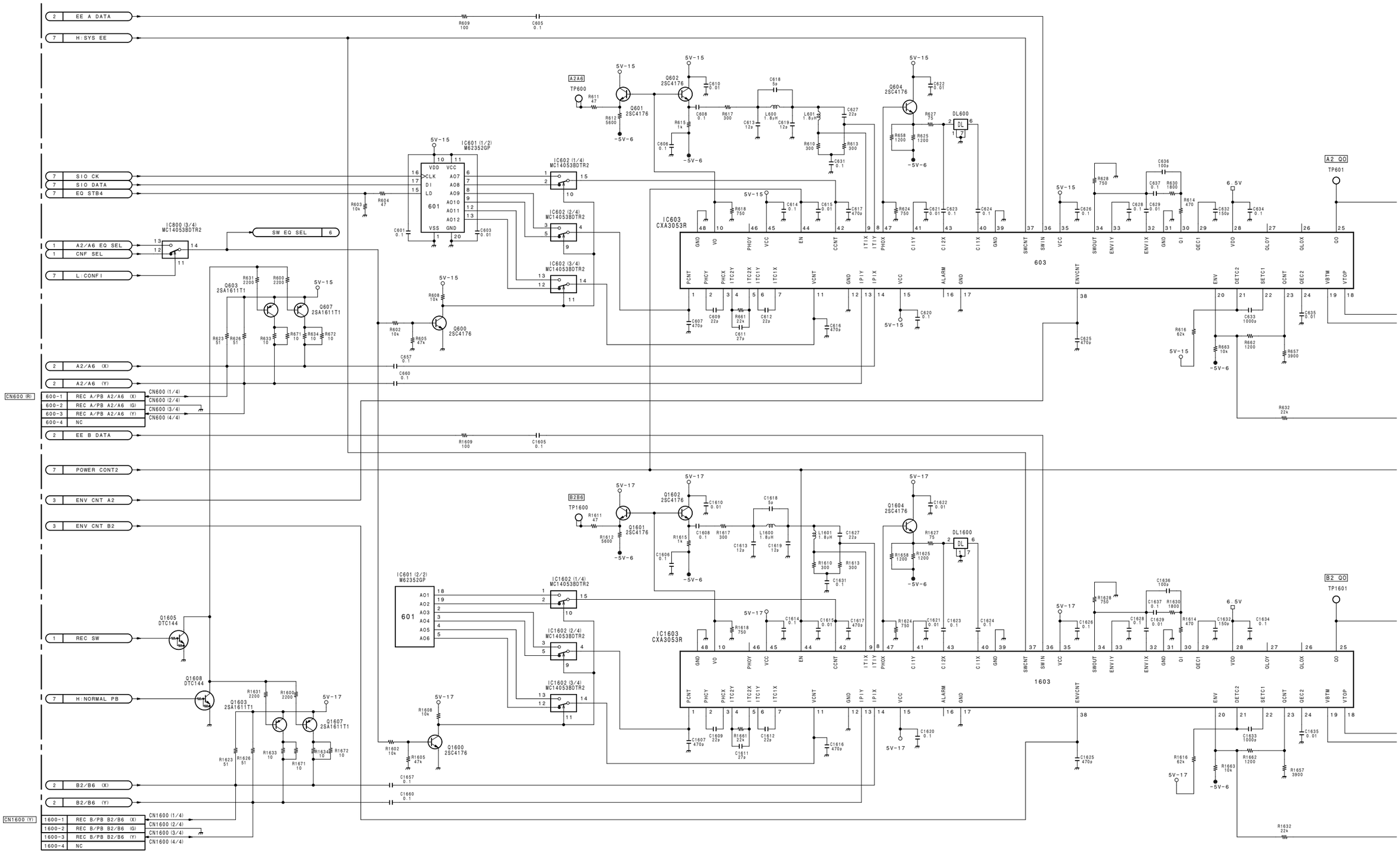
BOARD NO. 1-670-595-21,22
LOT NO. 804-

B-¥DNWA75-EQ-22/M

DNW-75/75P
DNW-65/65P

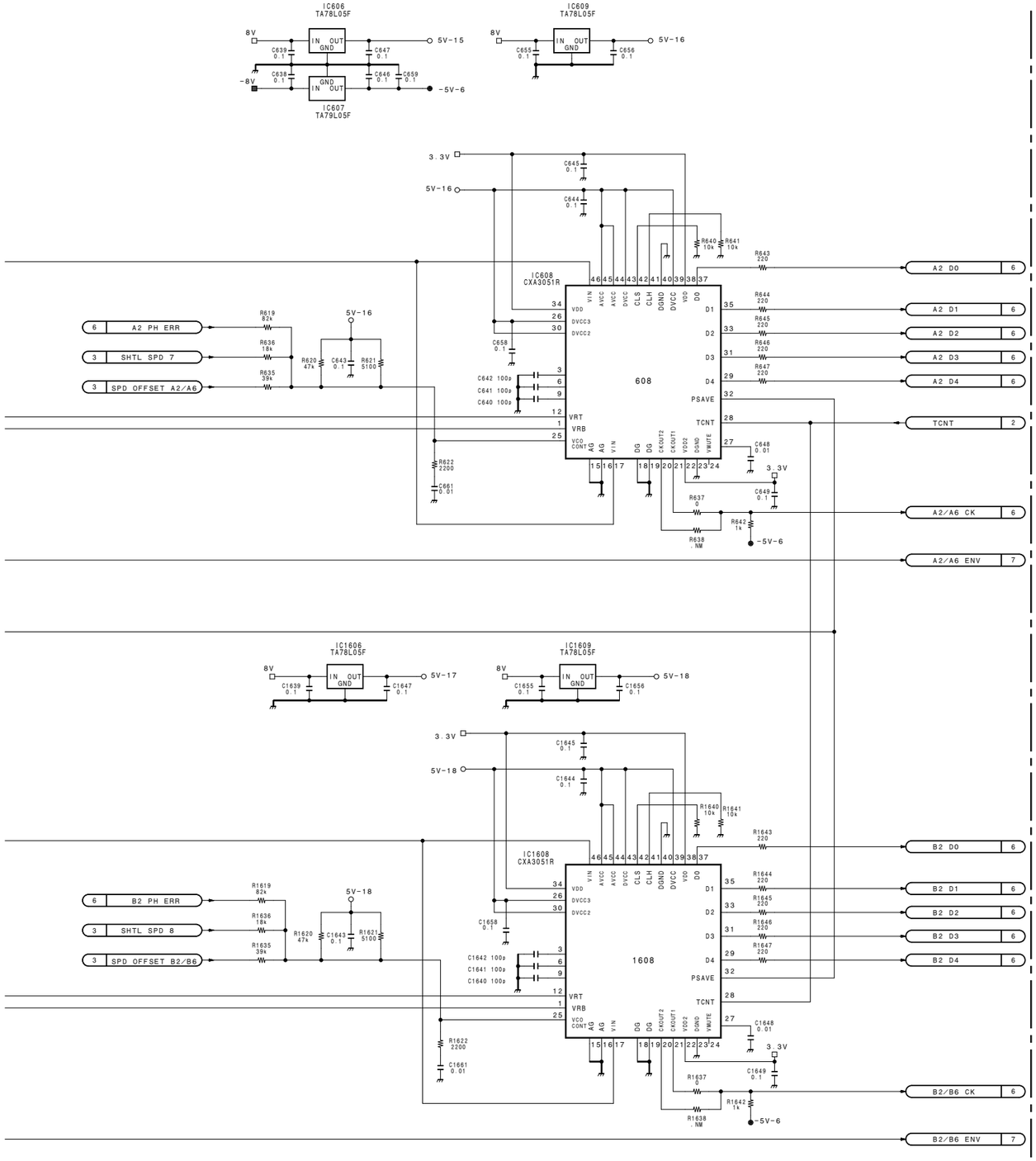
3-81

EQ-75/75C (4/7)



3-82

EQ-75/75C (4/7)



RF equalizer (PB EQ, Analog BETACAM PB buffer, Inner error correction)

EQ-75C (4/7) (For DNW-A65/A65P/65/65P)

BOARD NO. 1-670-595-31
LOT NO. 807-

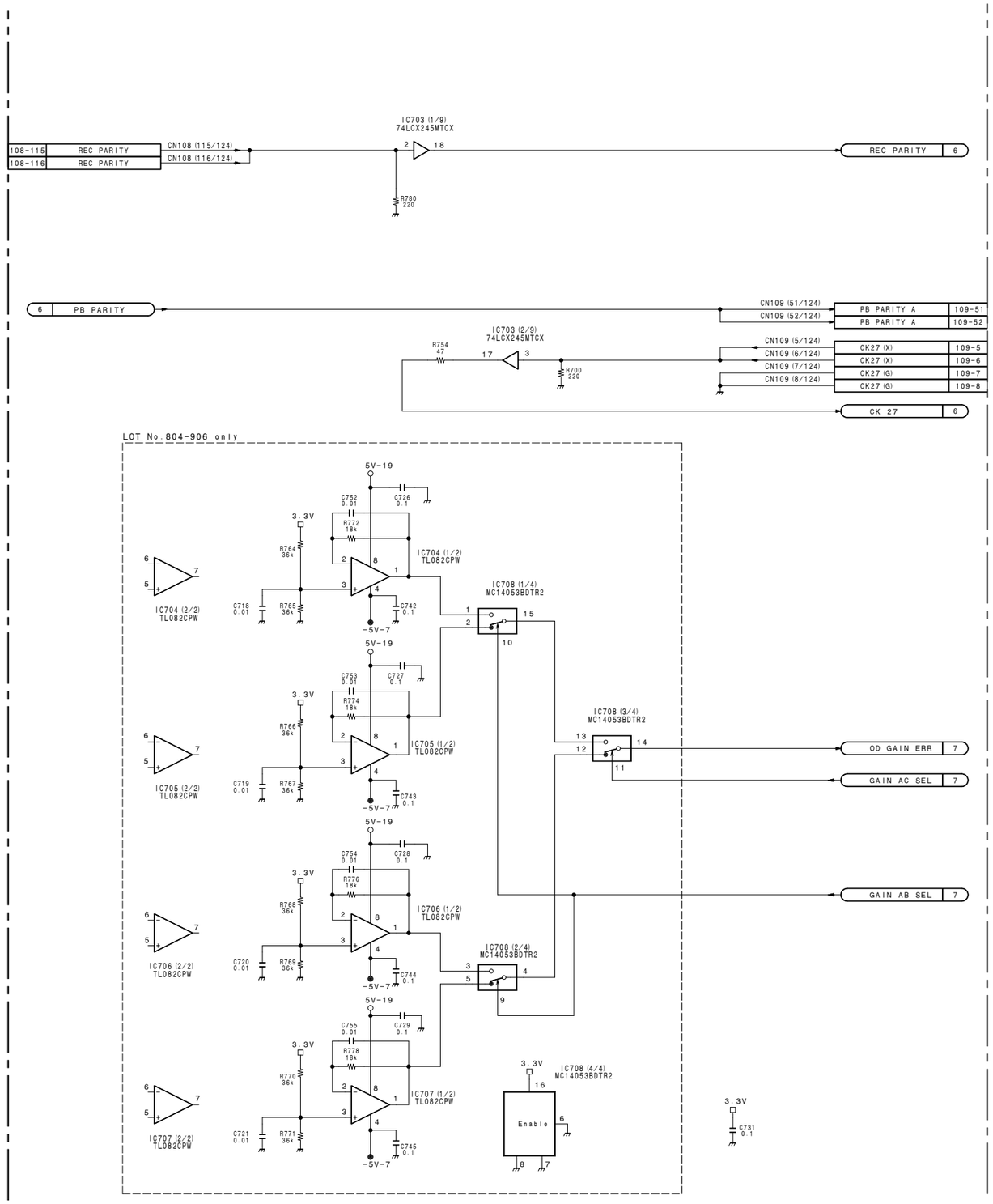
RF equalizer (REC current control, PB EQ, Analog BETACAM PB buffer, Inner error correction)

EQ-75 (4/7) (For DNW-A75/A75P/75/75P)

BOARD NO. 1-670-595-21,22
LOT NO. 804-

B-¥DNWA75-EQ-22/M

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RF equalizer (PB EQ, Analog BETACAM PB buffer, Inner error correction)

EQ-75C (5/7) (For DNW-A65/A65P/65/65P)

BOARD NO. 1-670-595-31
LOT NO. 807-

RF equalizer (REC current control, PB EQ, Analog BETACAM PB buffer, Inner error correction)

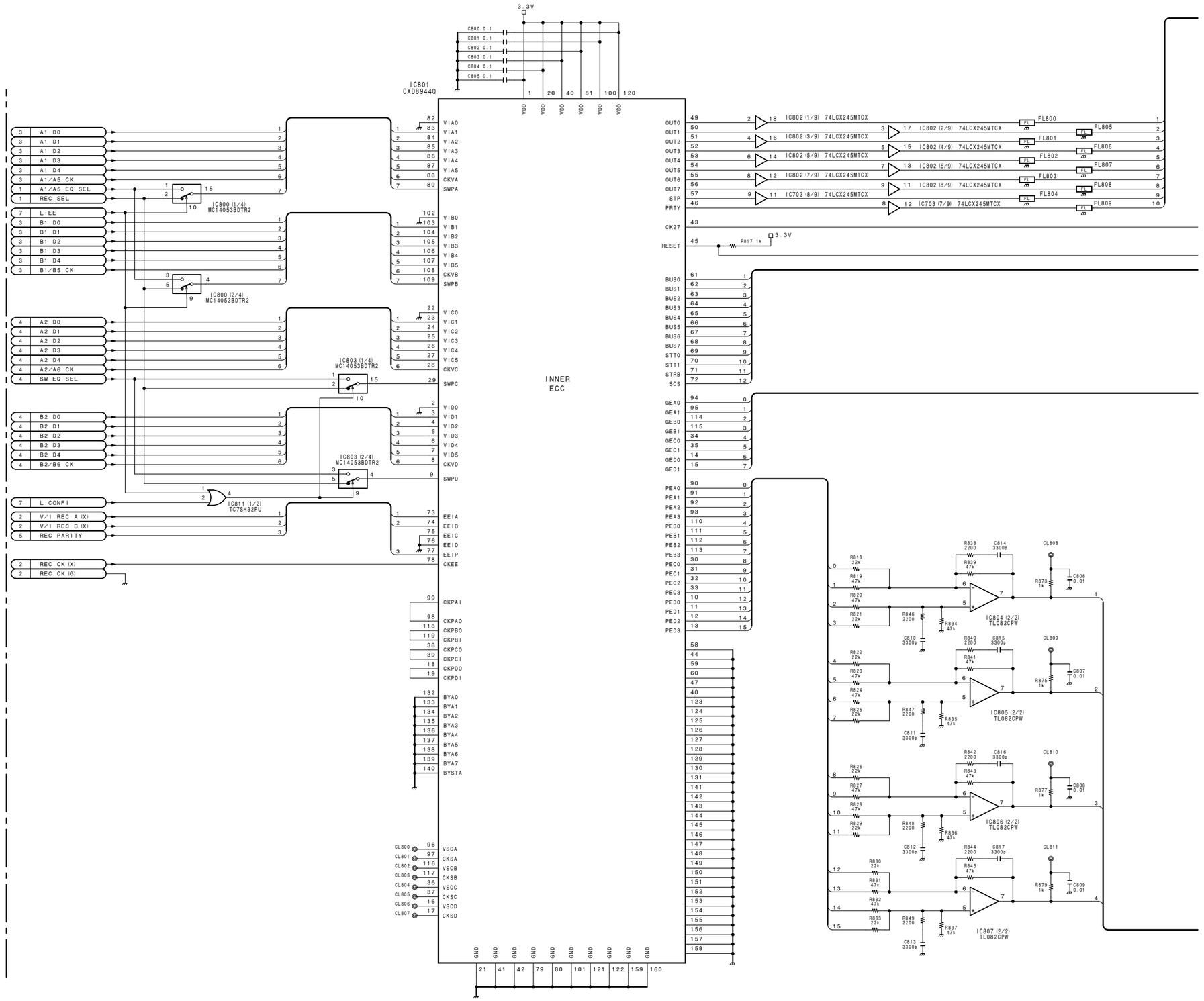
EQ-75 (5/7) (For DNW-A75/A75P/75/75P)

BOARD NO. 1-670-595-21,22
LOT NO. 804-

B-¥DNWA75-EQ-22/M

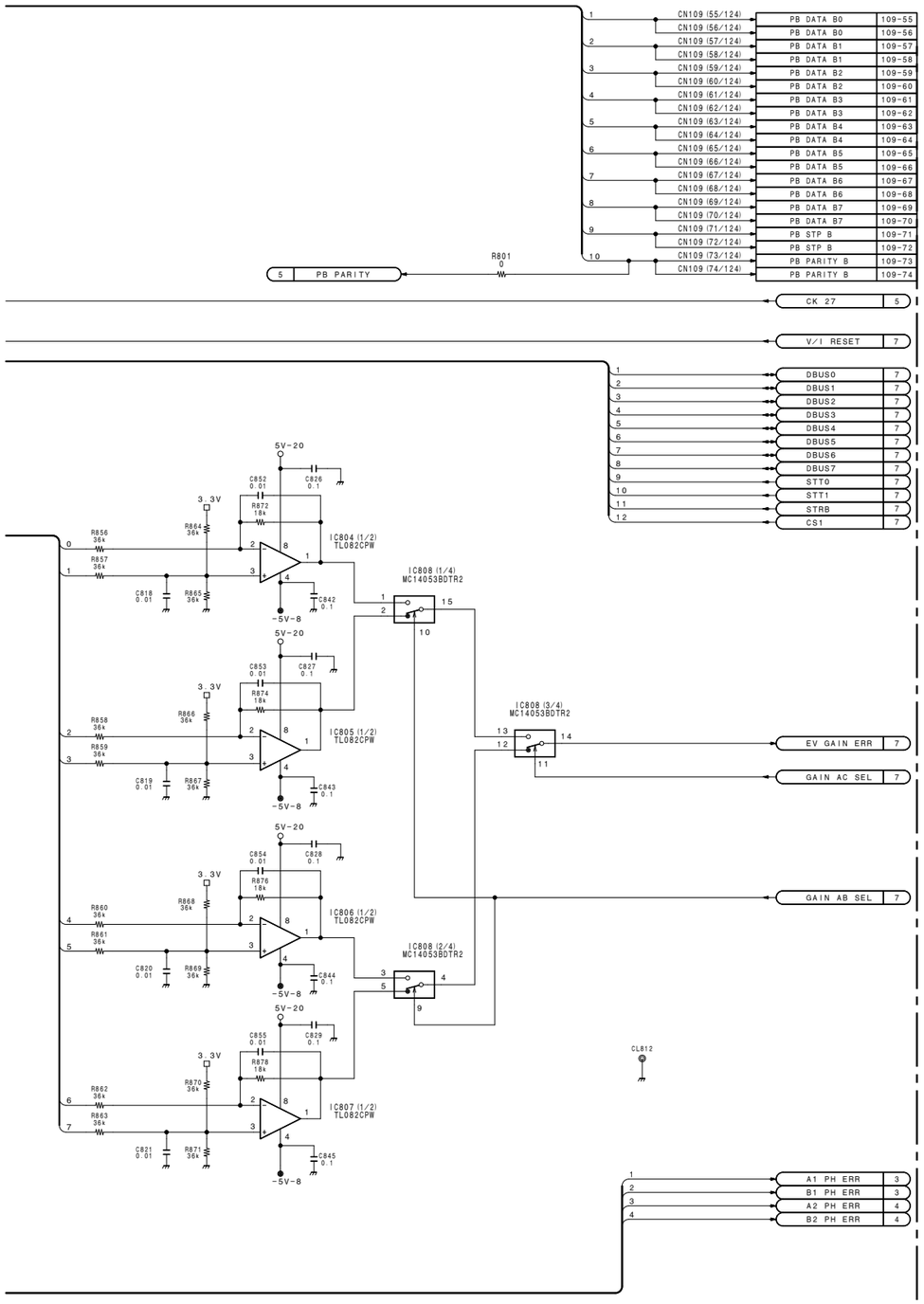
DNW-75/75P
DNW-65/65P

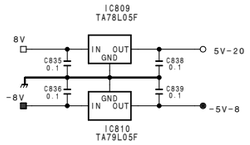
EQ-75/75C (6/7)

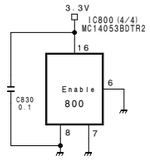


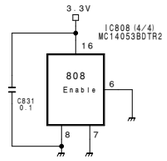
3-86

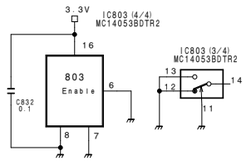
EQ-75/75C (6/7)

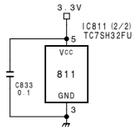












RF equalizer (PB EQ, Analog BETACAM PB buffer, Inner error correction)

EQ-75C (6/7) (For DNW-A65/A65P/65/65P)

BOARD NO. 1-670-595-31
LOT NO. 807-

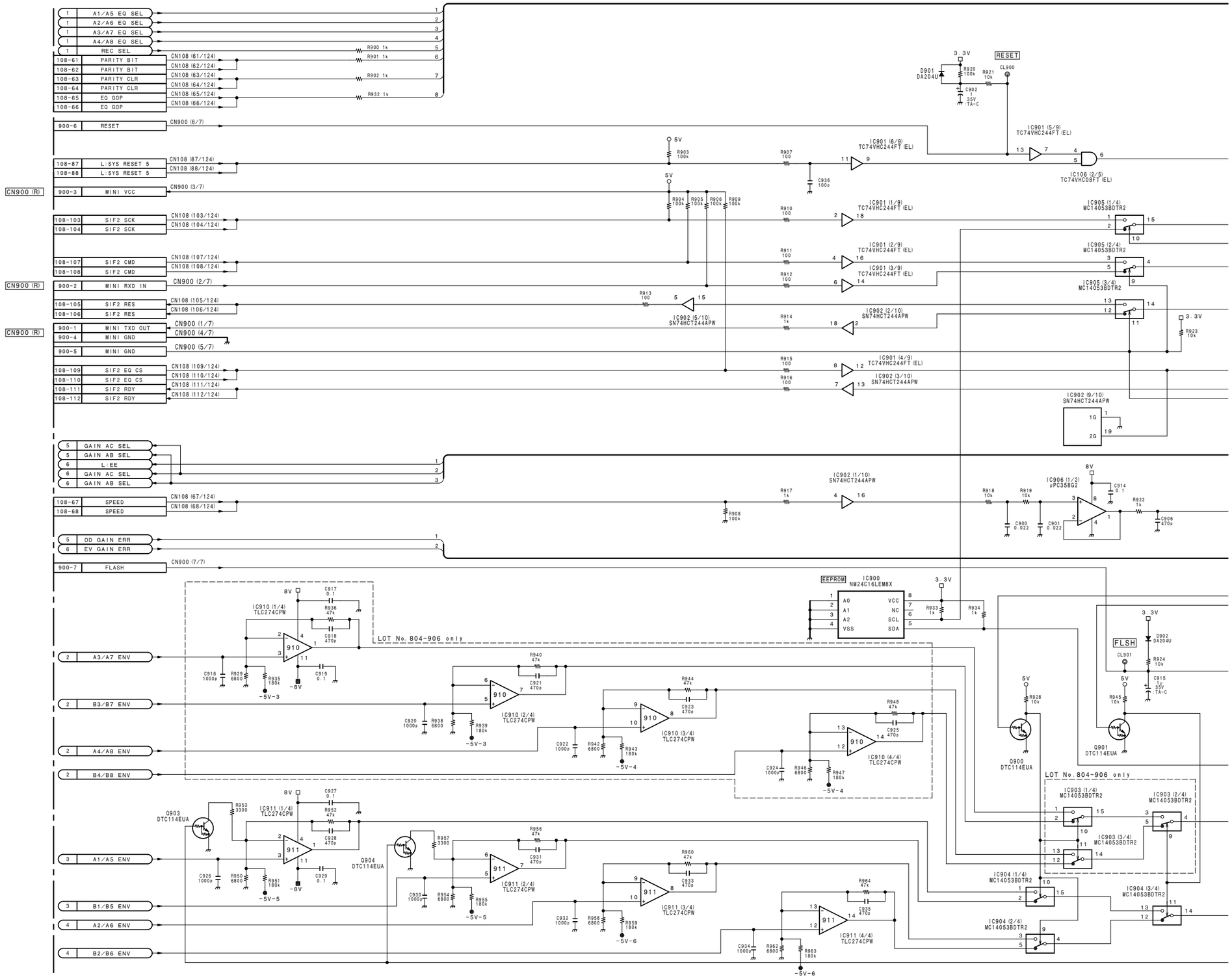
RF equalizer (REC current control, PB EQ, Analog BETACAM PB buffer, Inner error correction)

EQ-75 (6/7) (For DNW-A75/A75P/75/75P)

BOARD NO. 1-670-595-21,22
LOT NO. 804-

B-¥DNWA75-EQ-22/M

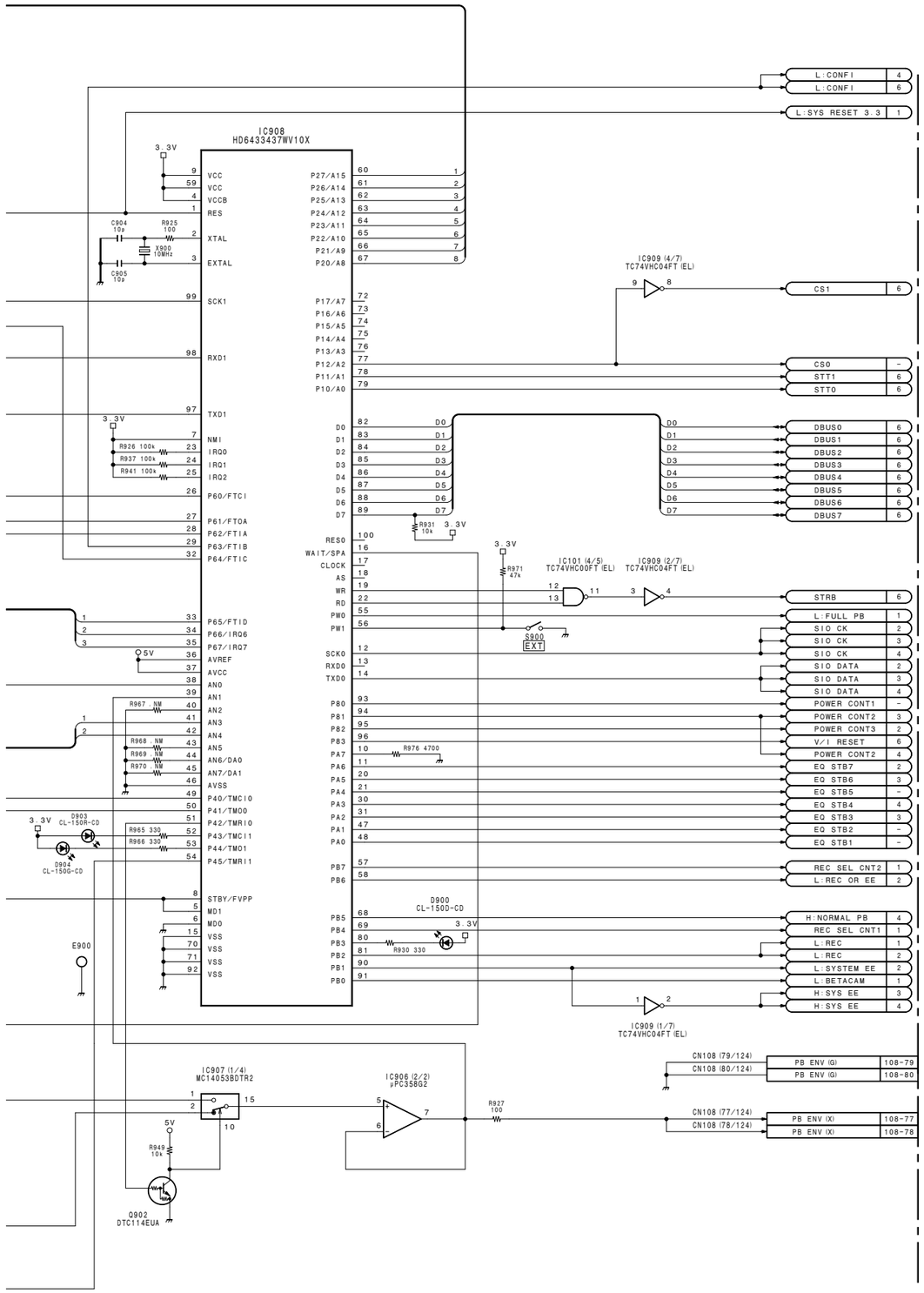
EQ-75/75C (7/7)

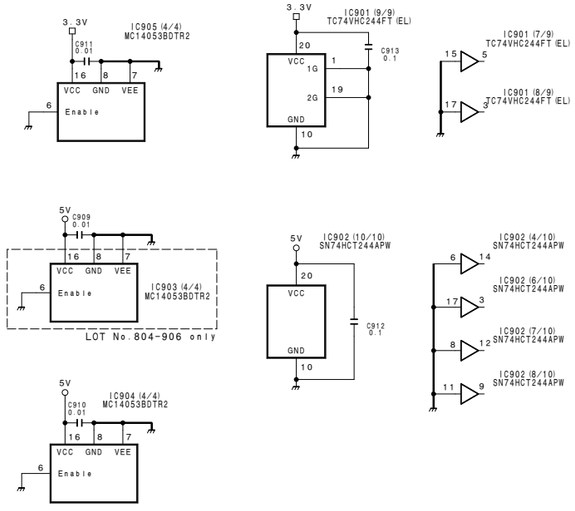


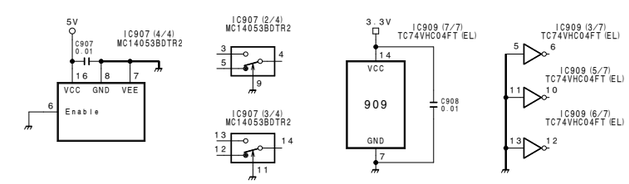
3-88

DNW-75/75P
DNW-65/65P

EQ-75/75C (7/7)







RF equalizer (PB EQ, Analog BETACAM PB buffer, Inner error correction)

EQ-75C (7/7) (For DNW-A65/A65P/65/65P)

BOARD NO. 1-670-595-31
LOT NO. 807-

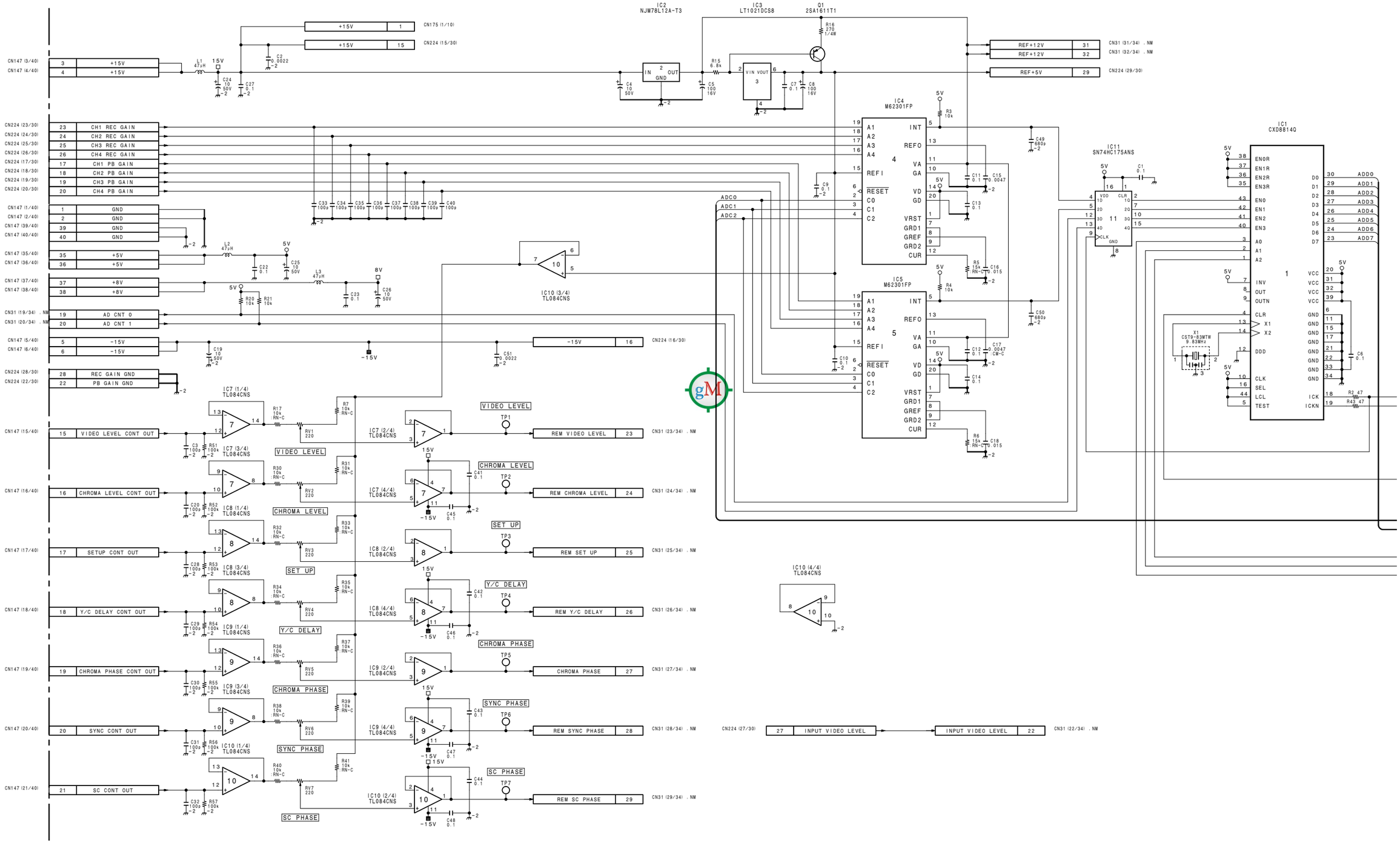
RF equalizer (REC current control, PB EQ, Analog BETACAM PB buffer, Inner error correction)

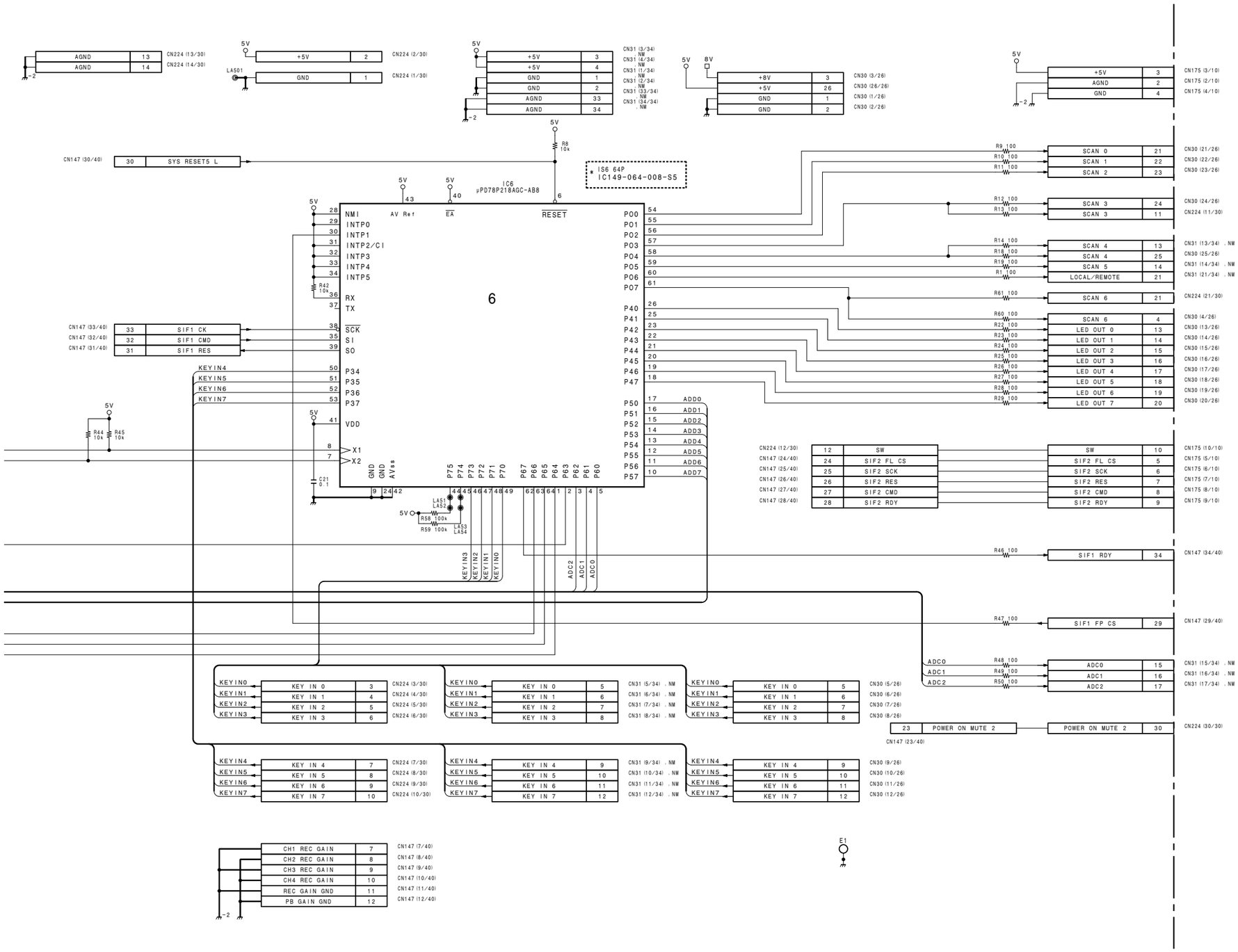
EQ-75 (7/7) (For DNW-A75/A75P/75/75P)

BOARD NO. 1-670-595-21,22
LOT NO. 804-

B-¥DNWA75-EQ-22/M

コネクタの接続先についてはFrame Wiring（3-220/224 ページ）を参照。
Refer to the Farme Wiring (Page 3-220/224) in regard to destinations of connectors.



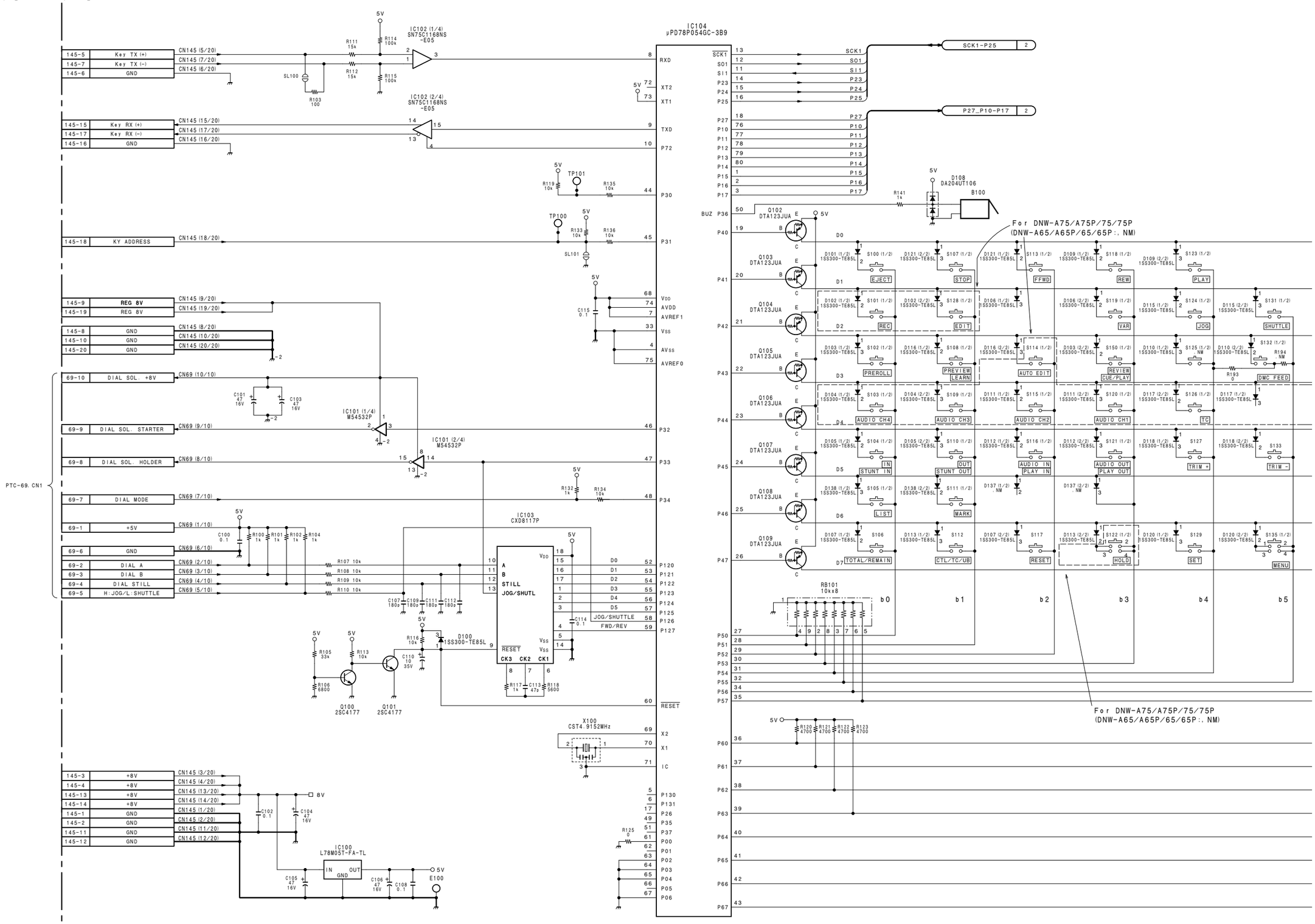


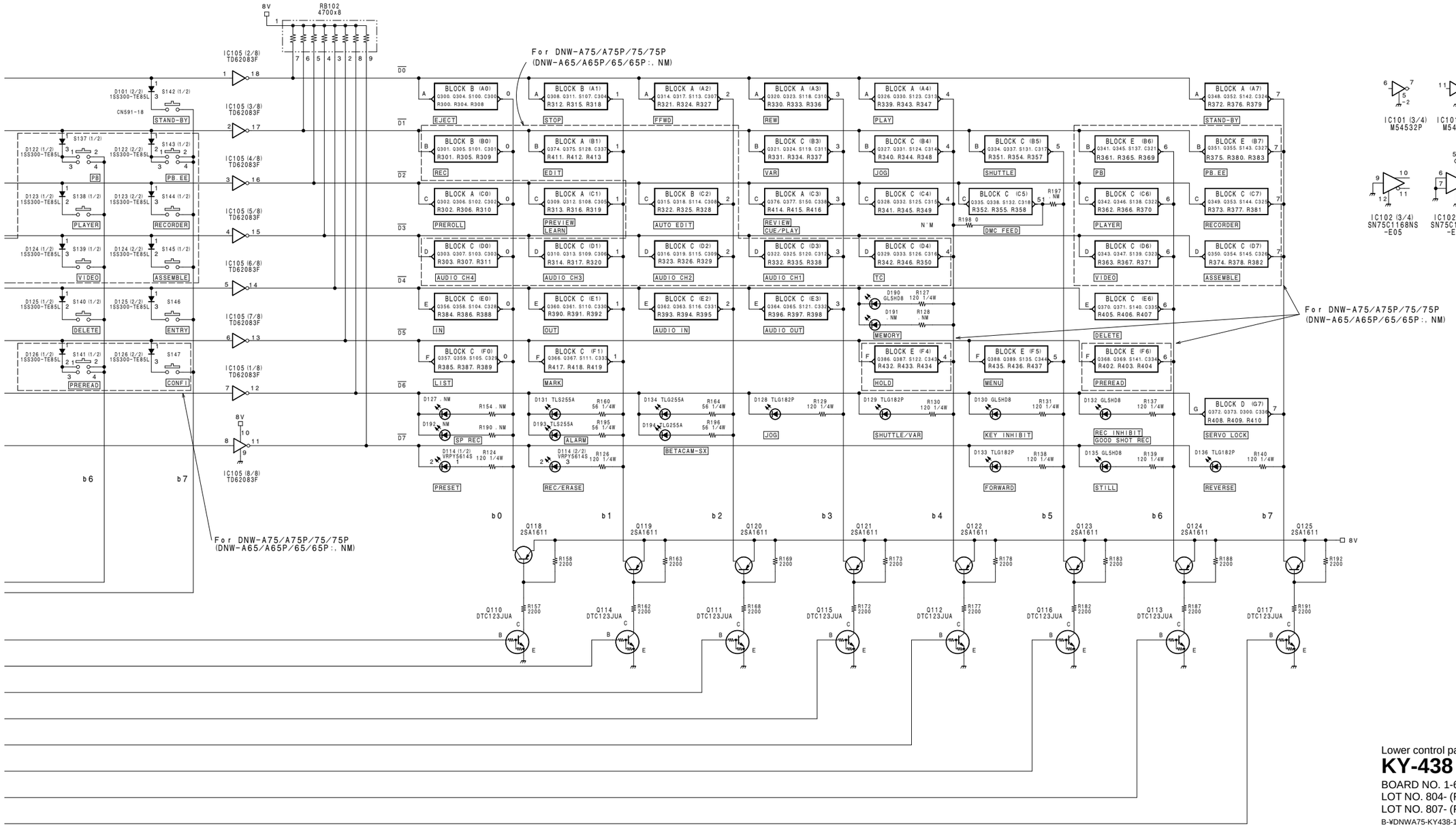
Panel function (Switches, LEDs) control,
CAV control level conversion

FP-117

BOARD NO. 1-671-123-11
LOT NO. 804-
B-¥DNWA75-FP117-11/M

コネクタの接続先についてはFrame Wiring（3-220/224 ページ）を参照。
Refer to the Farme Wiring (Page 3-220/224) in regard to destinations of connectors.



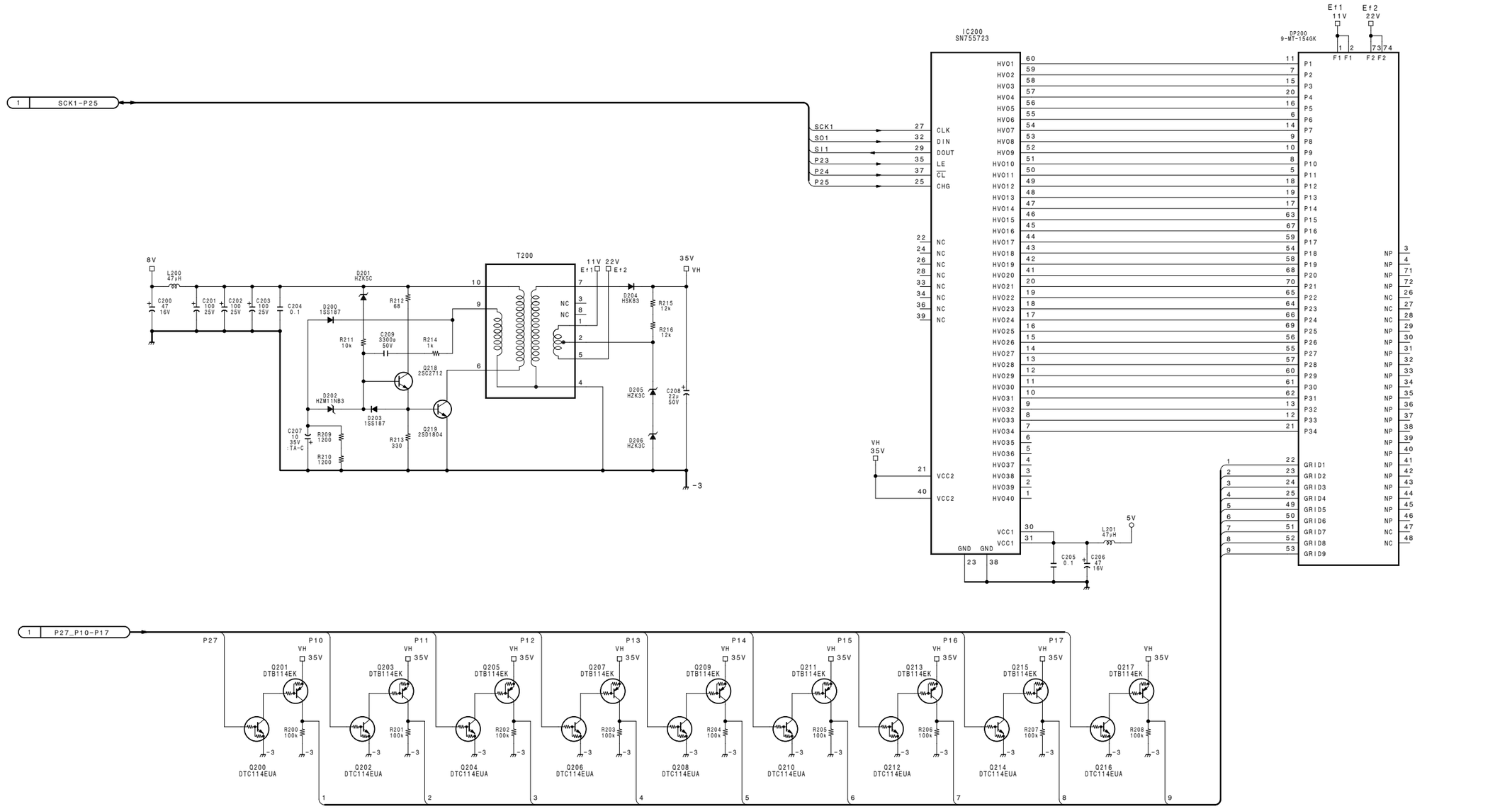


Lower control panel function

KY-438 (1/3)

BOARD NO. 1-670-597-11
LOT NO. 804- (For DNW-A75/A75P/75/75P)
LOT NO. 807- (For DNW-A65/A65P/65/65P)
B-¥DNWA75-KY438-11@-PCN/M

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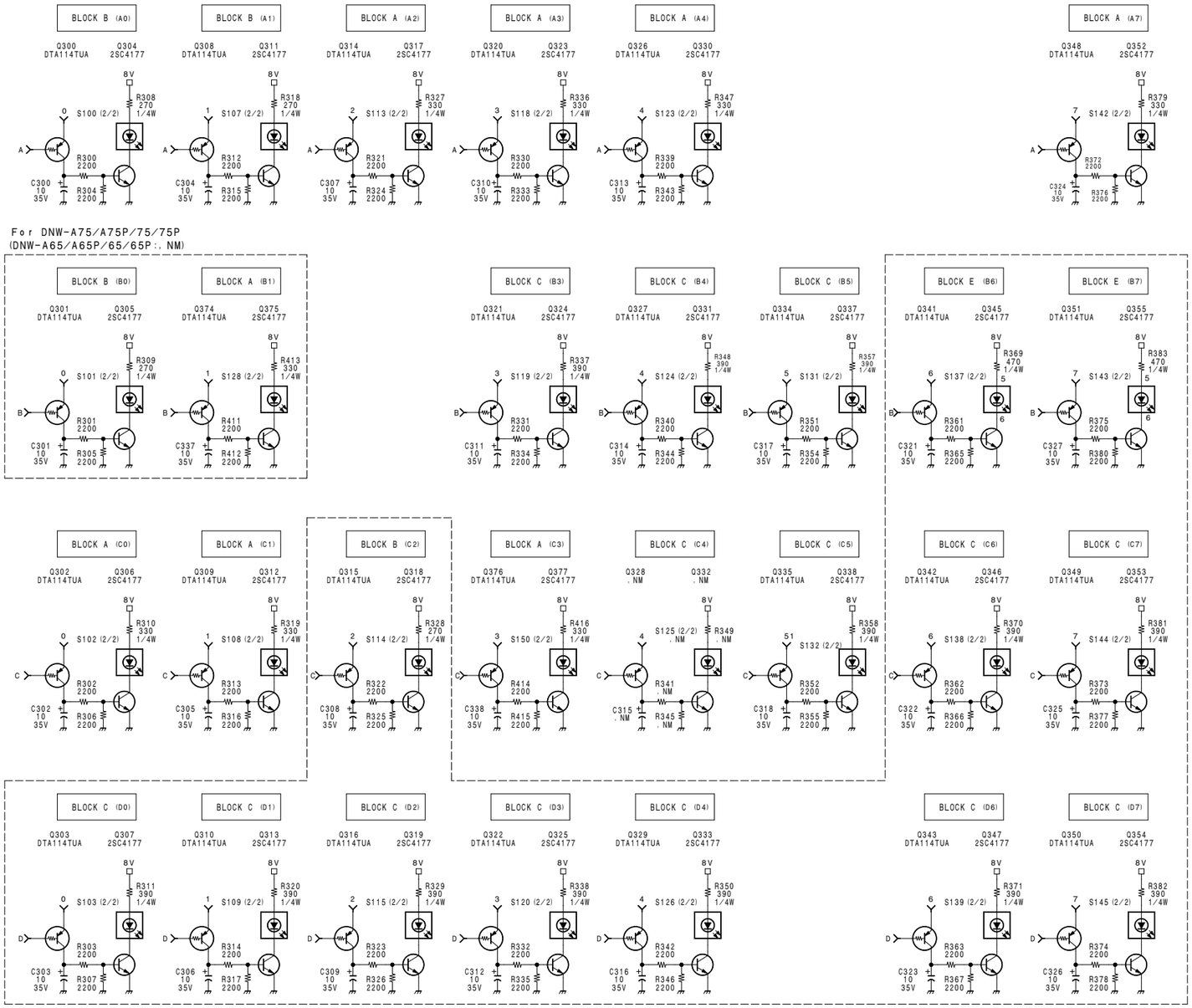


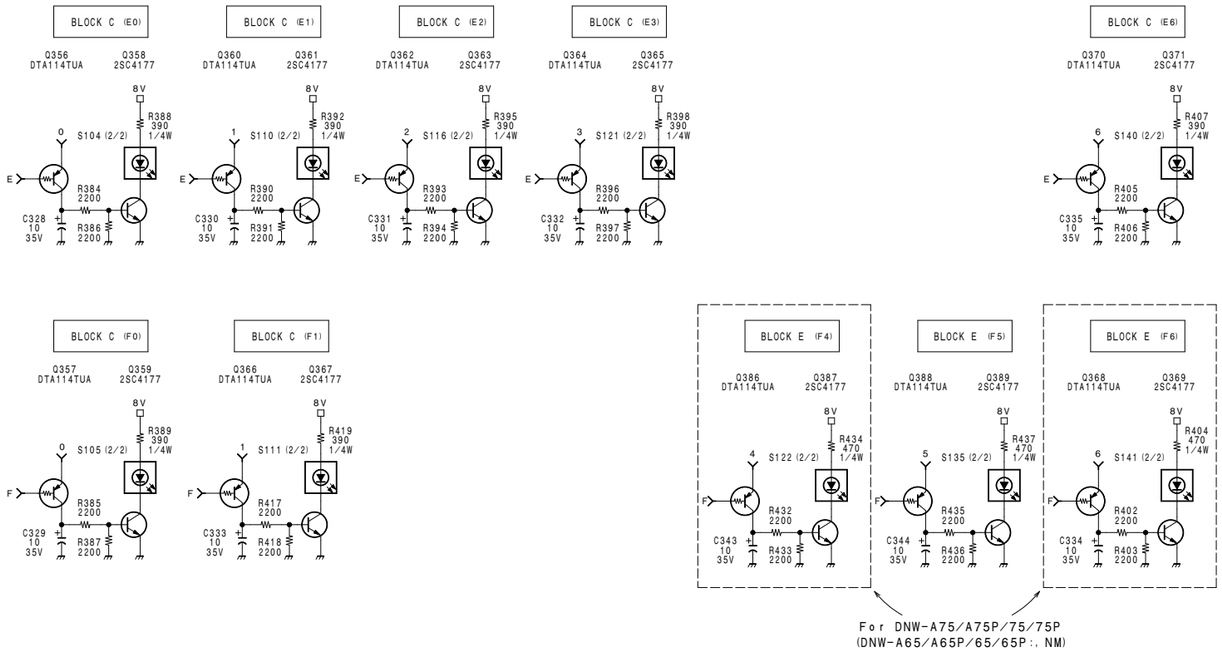
Lower control panel function

KY-438 (2/3)

BOARD NO. 1-670-597-11
LOT NO. 804- (For DNW-A75/A75P/75/75P)
LOT NO. 807- (For DNW-A65/A65P/65/65P)

B-¥DNWA75-KY438-11@-PCN/M


BLOCK B (A0)
Q300 DTA114TUA
Q304 2SC4177
S100 (2/2)
R308 270 1/4W
R300 2200
R304 2200
C300 10 35V
BLOCK B (A1)
Q308 DTA114TUA
Q311 2SC4177
S107 (2/2)
R318 270 1/4W
R312 2200
R315 2200
C304 10 35V
BLOCK A (A2)
Q314 DTA114TUA
Q317 2SC4177
S113 (2/2)
R327 330 1/4W
R321 2200
R324 2200
C307 10 35V
BLOCK A (A3)
Q320 DTA114TUA
Q323 2SC4177
S118 (2/2)
R336 330 1/4W
R330 2200
R333 2200
C310 10 35V
BLOCK A (A4)
Q326 DTA114TUA
Q330 2SC4177
S123 (2/2)
R347 330 1/4W
R339 2200
R343 2200
C313 10 35V
BLOCK A (A7)
Q348 DTA114TUA
Q352 2SC4177
S142 (2/2)
R379 330 1/4W
R372 2200
R376 2200
C324 10 35V
8V
A
For DNW-A75/A75P/75/75P
(DNW-A65/A65P/65/65P:, NM)
BLOCK B (B0)
Q301 DTA114TUA
Q305 2SC4177
S101 (2/2)
R309 270 1/4W
R301 2200
R305 2200
C301 10 35V
BLOCK A (B1)
Q374 DTA114TUA
Q375 2SC4177
S128 (2/2)
R413 330 1/4W
R411 2200
R412 2200
C337 10 35V
BLOCK C (B3)
Q321 DTA114TUA
Q324 2SC4177
S119 (2/2)
R337 390 1/4W
R331 2200
R334 2200
C311 10 35V
BLOCK C (B4)
Q327 DTA114TUA
Q331 2SC4177
S124 (2/2)
R348 390 1/4W
R340 2200
R344 2200
C314 10 35V
BLOCK C (B5)
Q334 DTA114TUA
Q337 2SC4177
S131 (2/2)
R357 390 1/4W
R351 2200
R354 2200
C317 10 35V
BLOCK E (B6)
Q341 DTA114TUA
Q345 2SC4177
S137 (2/2)
R369 470 1/4W
R361 2200
R365 2200
C321 10 35V
BLOCK E (B7)
Q351 DTA114TUA
Q355 2SC4177
S143 (2/2)
R383 470 1/4W
R375 2200
R380 2200
C327 10 35V
B
BLOCK A (C0)
Q302 DTA114TUA
Q306 2SC4177
S102 (2/2)
R310 330 1/4W
R302 2200
R306 2200
C302 10 35V
BLOCK A (C1)
Q309 DTA114TUA
Q312 2SC4177
S108 (2/2)
R319 330 1/4W
R313 2200
R316 2200
C305 10 35V
BLOCK B (C2)
Q315 DTA114TUA
Q318 2SC4177
S114 (2/2)
R328 270 1/4W
R322 2200
R325 2200
C308 10 35V
BLOCK A (C3)
Q376 DTA114TUA
Q377 2SC4177
S150 (2/2)
R416 330 1/4W
R414 2200
R415 2200
C338 10 35V
BLOCK C (C4)
Q328 . NM
Q332 . NM
S125 (2/2) . NM
R349 . NM
R341 . NM
R345 . NM
C315 . NM
BLOCK C (C5)
Q335 DTA114TUA
Q338 2SC4177
S132 (2/2)
R358 390 1/4W
R352 2200
R355 2200
C318 10 35V
BLOCK C (C6)
Q342 DTA114TUA
Q346 2SC4177
S138 (2/2)
R370 390 1/4W
R362 2200
R366 2200
C322 10 35V
BLOCK C (C7)
Q349 DTA114TUA
Q353 2SC4177
S144 (2/2)
R381 390 1/4W
R373 2200
R377 2200
C325 10 35V
C
For DNW-A75/A75P/75/75P
(DNW-A65/A65P/65/65P:, NM)
BLOCK C (D0)
Q303 DTA114TUA
Q307 2SC4177
S103 (2/2)
R311 390 1/4W
R303 2200
R307 2200
C303 10 35V
BLOCK C (D1)
Q310 DTA114TUA
Q313 2SC4177
S109 (2/2)
R320 390 1/4W
R314 2200
R317 2200
C306 10 35V
BLOCK C (D2)
Q316 DTA114TUA
Q319 2SC4177
S115 (2/2)
R329 390 1/4W
R323 2200
R326 2200
C309 10 35V
BLOCK C (D3)
Q322 DTA114TUA
Q325 2SC4177
S120 (2/2)
R338 390 1/4W
R332 2200
R335 2200
C312 10 35V
BLOCK C (D4)
Q329 DTA114TUA
Q333 2SC4177
S126 (2/2)
R350 390 1/4W
R342 2200
R346 2200
C316 10 35V
BLOCK C (D6)
Q343 DTA114TUA
Q347 2SC4177
S139 (2/2)
R371 390 1/4W
R363 2200
R367 2200
C323 10 35V
BLOCK C (D7)
Q350 DTA114TUA
Q354 2SC4177
S145 (2/2)
R382 390 1/4W
R374 2200
R378 2200
C326 10 35V
D



Lower control panel function

KY-438 (3/3)

BOARD NO. 1-670-597-11
LOT NO. 804- (For DNW-A75/A75P/75/75P)
LOT NO. 807- (For DNW-A65/A65P/65/65P)

B-¥DNWA75-KY438-11@-PCN/M

MB-818 BOARD		CONNECTION
SHEET No.	REF No.	
(11/13)	CN90 CN91 CN92	DPR-130 (CN90) (CN91) (CN92)
(5/13)	CN97 CN98	SDI-41 (CN97) (CN98)
(6/13)	CN99 CN100	DEC-110 (CN99) For DNW-A75/A75P/75/75P (CN100) (DNW-A65/A65P/65/65P : , NM)
(1/13)	CN101	TBC-23A (CN101) For DNW-A75/A75P/A65/A65P (DNW-75/75P/65/65P : , NM)
	CN102	TBC-24 (CN102) For DNW-A75/A75P/A65/A65P (DNW-75/75P/65/65P : , NM)
(2/13)	CN103	DM-89 (CN103) For DNW-A75/A75P/A65/A65P (DNW-75/75P/65/65P : , NM)
(3/13)	CN104 CN105	AU-260 (CN104) (CN105) For DNW-A75/A75P/A65/A65P (DNW-75/75P/65/65P : , NM)
(4/13)	CN108 CN109	EQ-75 (CN108) (CN109)
(10/13)	CN110 CN111 CN112	DPR-118 (CN110) (CN111) (CN112)
(8/13)	CN113 CN114 CN115	VPR-47 (CN113) (CN114) (CN115)
(9/13)	CN116 CN117 CN118	APR-40 (CN116) (CN117) (CN118)
(7/13)	CN122 CN123 CN124	SS-83 (CN122) (CN123) (CN124)
(12/13)	CN130	(VIDEO CONTROL connector)
	CN131	(RS-232C connector)
	CN132	(REMOTE-1 OUT (9P) connector)
	CN133	(REMOTE-1 IN (9P) connector)
	CN134	(CONTROL PANEL connector)
(13/13)	CN140	TC-102 (CN140)
	CN141	DT-34D (CN390) For DNW-A75/A75P/A65/A65P (DNW-75/75P/65/65P : , NM)
	CN142	SE-461 (CN4) For DNW-A75/A75P/A65/A65P (DNW-75/75P/65/65P : , NM)
	CN143	———
	CN144	MS-58 (CN2)
	CN145	KY-438 (CN145)
(12/13)	CN146	RM-179 (CN146)
	CN147	FP-117 (CN147)
(13/13)	CN150 CN151 CN152 CN153	POWER SUPPLY UNIT (CN254) (CN252) (CN252) (CN252)
	CN154	MS-58 (CN1)
	CN160	REAR FAN
	CN161	MD FAN
	CN162	———
	CN170 CN171 CN172	CP-334 (CN170) (CN171) (CN172)
	CN189	VR-223 (CN512)
(12/13)	CN190 CN192 CN193	CP-278 (CN191) (CN192) (CN193)
	CN194 CN195	CP-301 (CN194) (CN195)
	CN196 CN197	CP-335 (CN196) (CN197)
	CN198 CN199	MB-818 (CN199) (CN198)

For DNW-A75/A75P/A65/A65P
(DNW-75/75P/65/65P:, NM)

TBC-23A

TBC BOARD SHEET NO.	SIGNAL NAME			SIGNAL NAME	TBC BOARD SHEET NO.
	CN101				
(2/2)	GND	1A	1B	GND	(2/2)
(2/2)	GND	2A	2B	GND	(2/2)
(2/2)	+8V-2	3A	3B	+8V-2	(2/2)
(2/2)	-8V	4A	4B	-8V	(2/2)
(2/2)	+5.1V-2	5A	5B	+5.1V-2	(2/2)
(2/2)	+3.4V-2	6A	6B	+3.4V-2	(2/2)
(1/2)	Y DATA0	7A	7B	Y DATA1	(1/2) 102-7A
(1/2)	Y DATA2	8A	8B	Y DATA3	(1/2) 102-8A
(1/2)	Y DATA4	9A	9B	Y DATA5	(1/2) 102-9A
(1/2)	Y DATA6	10A	10B	Y DATA7	(1/2) 102-10A
(1/2)	Y DATA8	11A	11B	Y DATA9	(1/2) 102-11A
(1/2)	Y WZ	12A	12B	Y GATED WCK	(1/2) 102-12A
(1/2)	Y ADV WZ	13A	13B	Y WCLP	(1/2) 102-13A
(1/2)	Y GUARD BAND	14A	14B	Y TBC PB SYNC	(1/2) 102-14A
(1/2)	Y PDS CONT	15A	15B	Y SHW	(2/2) 102-15A
(1/2)	Y SPD PWM	16A	16B	Y SDO	(1/2) 102-16A
(1/2)	L:Y SDO PLS	17A	17B	VISC DET	(1/2) 102-17A
(2/2)	H SHIFT	18A	18B	H:Y REF INS	(1/2) 103-18A
(1/2)	L:F-BID	19A	19B	H:Y PEDESTAL INS	(1/2) 103-17A
(1/2)	SERVO V	20A	20B	L:ALT	(2/2) 103-13A
(1/2)	DT V	21A	21B	SCH TRACKING	(2/2) 102-21A
(1/2)	PB OE	22A	22B	PB V	(1/2) 102-22A
(1/2)	L:REV/H:FWD	23A	23B	Y WRITE V	(1/2) 102-23A
(1/2)	L:NOISELESS PB	24A	24B	S OUT	(2/2) 102-24A
(1/2)	L:DT	25A	25B	SCK 3	(2/2) 102-25A
(2/2)	H:525	26A	26B	S IN	(2/2) 102-26A
(2/2)	TBC RESET	27A	27B	STRB	(2/2) 102-27A
(1/2)	L:C SDO PLS	28A	28B	Y/C DL CONT	(2/2) 102-28A
(2/2)	B-CAM CF INFO	29A	29B	C WRITE V	(1/2) 102-29A
(1/2)	PB FP1	30A	30B	H:C PEDESTAL INS	(1/2) 103-17B
(1/2)	PB FP2	31A	31B	H:C REF INS	(1/2) 103-18B
(2/2)	V SHIFT	32A	32B	C SDO	(1/2) 102-32A
(1/2)	C PDS CONT	33A	33B	C SHW	(1/2) 102-33A
(1/2)	C GUARD BAND	34A	34B	C PB SYNC	(1/2) 102-34A
(1/2)	C ADV WZ	35A	35B	C WCLP	(1/2) 102-35A
(1/2)	C WZ	36A	36B	C GATED WCK	(1/2) 102-36A
(1/2)	C DATA0	37A	37B	C DATA1	(1/2) 102-37A
(1/2)	C DATA2	38A	38B	C DATA3	(1/2) 102-38A
(1/2)	C DATA4	39A	39B	C DATA5	(1/2) 102-39A
(1/2)	C DATA6	40A	40B	C DATA7	(1/2) 102-40A
(1/2)	C DATA8	41A	41B	C DATA9	(1/2) 102-41A
(2/2)	SIF2 CMD	42A	42B	SIF2 TBC CS	(2/2) 122-75
(2/2)	SIF2 SCK	43A	43B	SIF2 RDY	(2/2) 122-72
(2/2)	SIF2 RES	44A	44B	SYS RESET5 S	(2/2) 122-118
(2/2)	TBC VD	45A	45B	VISC Y (X)	(2/2) 113-24
(2/2)	TBC HD	46A	46B	VISC Y (G)	113-23
(2/2)	TBC 4FSC (X)	47A	47B	ANA OE	115-114
(2/2)	TBC 4FSC (G)	48A	48B	B-CAM CF	**(2/2)** 113-72
(2/2)	TBC GND	49A	49B	B-CAM DATA0	(2/2) 113-47
(2/2)	B-CAM DATA1	50A	50B	B-CAM DATA2	(2/2) 113-49
(2/2)	B-CAM DATA3	51A	51B	B-CAM DATA4	(2/2) 113-51
(2/2)	B-CAM DATA5	52A	52B	B-CAM DATA6	(2/2) 113-53
(2/2)	B-CAM DATA7	53A	53B	B-CAM DATA8	(2/2) 113-55
(2/2)	B-CAM DATA9	54A	54B	B-CAM PARITY	(2/2) 113-60
(2/2)	B-CAM VD	55A	55B	B-CAM HD	(2/2) 113-57
(2/2)	TBC CK (X)	56A	56B	TBC CK (G)	(2/2) 115-45
(2/2)	+15V	57A	57B	+15V	(2/2)
(2/2)	-15V	58A	58B	-15V	(2/2)
(2/2)	GND	59A	59B	GND	(2/2)
(2/2)	GND	60A	60B	GND	(2/2)

TBC-24

TBC BOARD SHEET NO.	SIGNAL NAME			SIGNAL NAME	TBC BOARD SHEET NO.
	CN102				
(1/3)	GND	1A	1B	GND	(1/3)
(1/3)	GND	2A	2B	GND	(1/3)
(1/3)	+8V-2	3A	3B	+8V-2	(1/3)
(1/3)	-8V	4A	4B	-8V	(1/3)
(1/3)	+5.1V-2	5A	5B	+5.1V-2	(1/3)
(1/3)	+3.4V-2	6A	6B	+3.4V-2	(1/3)
(1/3)	Y DATA1	7A	7B	Y DATA0	(1/3) 101-7A
(1/3)	Y DATA3	8A	8B	Y DATA2	(1/3) 101-8A
(1/3)	Y DATA5	9A	9B	Y DATA4	(1/3) 101-9A
(1/3)	Y DATA7	10A	10B	Y DATA6	(1/3) 101-10A
(1/3)	Y DATA9	11A	11B	Y DATA8	(1/3) 101-11A
(2/3)	Y GATED WCK	12A	12B	Y WZ	(2/3) 101-12A
(1/3)	Y WCLP	13A	13B	Y ADV WZ	(2/3) 101-13A
(2/3)	Y TBC PB SYNC	14A	14B	Y GUARD BAND	(2/3) 101-14A
(2/3)	Y SHW	15A	15B	Y PDS CONT	(1/3) 101-15A
(2/3)	Y SDO	16A	16B	Y SPD PWM	(2/3) 101-16A
(1/3)	VISC DET	17A	17B	Y GH	(2/3) 122-20
(2/3)	ADV Y SW PLS	18A	18B	L:PB NO SIG	(2/3) 103-19B
(1/3)	L:F-BID	19A	19B	Y W CLAMP PLS	(1/3) 103-19A
(2/3)	SERVO V	20A	20B	TBC SPEED	(2/3) 103-20B
(2/3)	SCH TRACKING	21A	21B	GND	(1/3)
(2/3)	PB V	22A	22B	GND	(1/3)
(2/3)	Y WRITE V	23A	23B	GND	(1/3)
(1/3)	S OUT	24A	24B	GND	(1/3)
(1/3)	SCK 3	25A	25B	Y DEMOD (X)	(1/3) 103-26A
(1/3)	S IN	26A	26B	Y DEMOD (G)	(1/3) 103-27A
(1/3)	STRB	27A	27B		
(3/3)	Y/C DL CONT	28A	28B	C DEMOD (X)	(1/3) 103-28A
(3/3)	C WRITE V	29A	29B	C DEMOD (G)	(1/3) 103-29A
(3/3)	ADV C SW PLS	30A	30B		
(2/3)	H:525	31A	31B	C SH	(3/3) 104-83
(3/3)	C SDO	32A	32B	C W CLAMP PLS	(1/3) 103-20A
(3/3)	C SHW	33A	33B	C PDS CONT	(1/3) 101-33A
(3/3)	C PB SYNC	34A	34B	C GUARD BAND	(3/3) 101-34A
(1/3)	C WCLP	35A	35B	C ADV WZ	(3/3) 101-35A
(3/3)	C GATED WCK	36A	36B	C WZ	(3/3) 101-36A
(1/3)	C DATA1	37A	37B	C DATA0	(1/3) 101-37A
(1/3)	C DATA3	38A	38B	C DATA2	(1/3) 101-38A
(1/3)	C DATA5	39A	39B	C DATA4	(1/3) 101-39A
(1/3)	C DATA7	40A	40B	C DATA6	(1/3) 101-40A
(1/3)	C DATA9	41A	41B	C DATA8	(1/3) 101-41A
(2/3)	Y PB SYNC	42A	42B	C GUARD BAND OUT	(3/3) NC
		43A	43B	L:Y DO PLS	(1/3) 103-16A
(1/3)	TBC VD2	44A	44B	L:Y SDO PLS	(1/3) 101-17A
		45A	45B	L:C DO PLS	(1/3) 103-16B
(3/3)	TBC VPR JP1	46A	46B	L:C SDO PLS	(1/3) 101-28A
(3/3)	TBC VPR JP2	47A	47B	SV TAPE SPEED	(2/3) 124-56
(1/3)	L:Y PCM MUTE	48A	48B	NC	
(1/3)	L:C PCM MUTE	49A	49B	H:SV LOCK	(2/3) 123-102
(1/3)	H:OSC ON	50A	50B	L:METAL/H:OXIDE	(3/3) 103-15A
(1/3)	DM TBC JP1	51A	51B	H:NTSC/L:PAL	(3/3) 104-86
		52A	52B		
		53A	53B		
		54A	54B		
		55A	55B		
		56A	56B		
(1/3)	+15V	57A	57B	+15V	(1/3)
(1/3)	-15V	58A	58B	-15V	(1/3)
(1/3)	GND	59A	59B	GND	(1/3)
(1/3)	GND	60A	60B	GND	(1/3)

Motherboard, Remote control connectors
(REMOTE1 (9P), RS-232C, VIDEO CONTROL, CONTROL PANEL)

MB-818 (1/13)

BOARD NO. 1-670-599-11
LOT NO. 804- (MB-818: For DNW-A75/A75P)
LOT NO. 807- (MB-818C: For DNW-A65/A65P)
LOT NO. 905- (MB-818E: For DNW-75/75P)
LOT NO. 905- (MB-818F: For DNW-65/65P)

B-¥DNWA75-MB818-11@/M

MB-818 BOARD		CONNECTION	
SHEET No.	REF No.		
(11/13)	CN90 CN91 CN92	DPR-130	(CN90) (CN91) (CN92)
(5/13)	CN97 CN98	SDI-41	(CN97) (CN98)
(6/13)	CN99 CN100	DEC-110 For DNW-A75/A75P/75/75P (DNW-A65/A65P/65/65P : , NM)	(CN99) (CN100)
(1/13)	CN101	TBC-23A For DNW-A75/A75P/A65/A65P (DNW-75/75P/65/65P : , NM)	(CN101)
	CN102	TBC-24 For DNW-A75/A75P/A65/A65P (DNW-75/75P/65/65P : , NM)	(CN102)
(2/13)	CN103	DM-89 For DNW-A75/A75P/A65/A65P (DNW-75/75P/65/65P : , NM)	(CN103)
(3/13)	CN104 CN105	AU-260 For DNW-A75/A75P/A65/A65P (DNW-75/75P/65/65P : , NM)	(CN104) (CN105)
(4/13)	CN108 CN109	EQ-75	(CN108) (CN109)
(10/13)	CN110 CN111 CN112	DPR-118	(CN110) (CN111) (CN112)
(8/13)	CN113 CN114 CN115	VPR-47	(CN113) (CN114) (CN115)
(9/13)	CN116 CN117 CN118	APR-40	(CN116) (CN117) (CN118)
(7/13)	CN122 CN123 CN124	SS-83	(CN122) (CN123) (CN124)
(12/13)	CN130	(VIDEO CONTROL connector)	
	CN131	(RS-232C connector)	
	CN132	(REMOTE-1 OUT (9P) connector)	
	CN133	(REMOTE-1 IN (9P) connector)	
	CN134	(CONTROL PANEL connector)	
(13/13)	CN140	TC-102	(CN140)
	CN141	DT-34D For DNW-A75/A75P/A65/A65P (DNW-75/75P/65/65P : , NM)	(CN390)
	CN142	SE-461 For DNW-A75/A75P/A65/A65P (DNW-75/75P/65/65P : , NM)	(CN4)
	CN143	———	
	CN144	MS-58	(CN2)
	CN145	KY-438	(CN145)
(12/13)	CN146	RM-179	(CN146)
	CN147	FP-117	(CN147)
(13/13)	CN150 CN151 CN152 CN153	POWER SUPPLY UNIT	(CN254) (CN252) (CN252) (CN252)
	CN154	MS-58	(CN1)
	CN160	REAR FAN	
	CN161	MD FAN	
	CN162	———	
	CN170 CN171 CN172	CP-334	(CN170) (CN171) (CN172)
	CN189	VR-223	(CN512)
(12/13)	CN190 CN192 CN193	CP-278	(CN191) (CN192) (CN193)
	CN194 CN195	CP-301	(CN194) (CN195)
	CN196 CN197	CP-335	(CN196) (CN197)
	CN198 CN199	MB-818	(CN199) (CN198)

For DNW-A75/A75P/A65/A65P
(DNW-75/75P/65/65P : , NM)

DM-89

DM BOARD SHEET NO.	SIGNAL NAME	CN103		SIGNAL NAME	DM BOARD SHEET NO.	
(4/4)	GND	1A	1B	GND	(4/4)	
(4/4)	GND	2A	2B	GND	(4/4)	
(4/4)	+8V-2	3A	3B	+8V-2	(4/4)	
(4/4)	-8V	4A	4B	-8V	(4/4)	
(4/4)	+5.1V-2	5A	5B	+5.1V-2	(4/4)	
	+3.4V-2	6A	6B	+3.4V-2		
		7A	7B			
		8A	8B			
		9A	9B			
(4/4)	ADV C SW PLS	10A	10B	L:NOISELESS PB	(4/4)	← 123-107
		11A	11B			
		12A	12B			
(3/4)	L:ALT	13A	13B			
(1/4)	Y DO	14A	14B	C DO	(2/4)	NC
(4/4)	L:METAL/H:OXIDE	15A	15B			
(1/4)	L:Y DO PLS	16A	16B	L:C DO PLS	(2/4)	→ 102-45B, 124-45
(4/4)	H:Y PEDESTAL INS	17A	17B	H:C PEDESTAL INS	(4/4)	← 101-30B
(4/4)	H:Y REF INS	18A	18B	H:C REF INS	(4/4)	← 101-31B
(3/4)	Y W CLAMP PLS	19A	19B	L:PB NO SIG	(3/4)	← 102-18B
(3/4)	C W CLAMP PLS	20A	20B	TBC SPEED	(3/4)	← 102-20B
		21A	21B			
(4/4)	H:AFM MUTE	22A	22B	H:LAU MUTE	(4/4)	NC
(4/4)	H:NR ON	23A	23B			
		24A	24B			
(3/4)	GND	25A	25B	GND	(3/4)	
(3/4)	Y DEMOD (X)	26A	26B	GND	(3/4)	
(3/4)	Y DEMOD (G)	27A	27B	GND	(3/4)	
(3/4)	C DEMOD (X)	28A	28B	GND	(3/4)	
(3/4)	C DEMOD (G)	29A	29B	GND	(3/4)	
		30A	30B			
(1/4)	Y RF ENV (X)	31A	31B			
(1/4)	Y RF ENV (G)	32A	32B			
(2/4)	C RF ENV (X)	33A	33B			
(2/4)	C RF ENV (G)	34A	34B			
		35A	35B			
		36A	36B			
		37A	37B			
	GND	38A	38B	DM PB Y (X)	(1/4)	← 109-101, 109-102
	GND	39A	39B	DM PB Y (G)	(1/4)	← 109-103, 109-104
(2/4)	GND	40A	40B	DM PB C (X)	(2/4)	← 109-107, 109-108
(2/4)	GND	41A	41B	DM PB C (G)	(2/4)	← 109-109, 109-110
(2/4)	C RF (X)	42A	42B			
(2/4)	C RF (G)	43A	43B			
(1/4)	L:RF Y VBLK	44A	44B	H:FAST SEARCH	(4/4)	← 124-48
(2/4)	L:RF C VBLK	45A	45B	L:SLOW BID	(4/4)	← 124-47
		46A	46B	L:Y PCM MUTE	(3/4)	← 123-116
(3/4)	SV TAPE SPEED	47A	47B	L:C PCM MUTE	(3/4)	← 123-115
(4/4)	Y GH	48A	48B	ADV Y SW PLS	(4/4)	← 124-44
(4/4)	H:525	49A	49B	ADV C SW PLS	(4/4)	← 124-43
(2/4)	H:OSC ON	50A	50B	DM TBC JP1		— 102-51A
(4/4)	SIF2 SCK	51A	51B	SIF2 CMD	(4/4)	← 122-70
(4/4)	SIF2 RES	52A	52B	SIF2 RDY	(4/4)	← 122-72
(4/4)	SIF2 DM CS	53A	53B	SYS RESET5 S	(4/4)	← 122-118
(4/4)	REF CK ERROR	54A	54B	PLL ERROR	(4/4)	← 104-77
(4/4)	W/R TIM ERROR	55A	55B	L:SQL ON	(4/4)	← 104-74
		56A	56B	TBC RESET	(4/4)	← 122-24
	+15V	57A	57B	+15V		
	-15V	58A	58B	-15V		
(4/4)	GND	59A	59B	GND	(4/4)	
(4/4)	GND	60A	60B	GND	(4/4)	

Motherboard, Remote control connectors
(REMOTE1 (9P), RS-232C, VIDEO CONTROL, CONTROL PANEL)

MB-818 (2/13)

BOARD NO. 1-670-599-11
LOT NO. 804- (MB-818: For DNW-A75/A75P)
LOT NO. 807- (MB-818C: For DNW-A65/A65P)
LOT NO. 905- (MB-818E: For DNW-75/75P)
LOT NO. 905- (MB-818F: For DNW-65/65P)

B-¥DNWA75-MB818-11@/M

MB-818 BOARD		CONNECTION	
SHEET No.	REF No.		
(11/13)	CN90 CN91 CN92	DPR-130	(CN90) (CN91) (CN92)
(5/13)	CN97 CN98	SDI-41	(CN97) (CN98)
(6/13)	CN99 CN100	DEC-110 For DNW-A75/A75P/75/75P (DNW-A65/A65P/65/65P : , NM)	(CN99) (CN100)
(1/13)	CN101	TBC-23A For DNW-A75/A75P/A65/A65P (DNW-75/75P/65/65P : , NM)	(CN101)
	CN102	TBC-24 For DNW-A75/A75P/A65/A65P (DNW-75/75P/65/65P : , NM)	(CN102)
(2/13)	CN103	DM-89 For DNW-A75/A75P/A65/A65P (DNW-75/75P/65/65P : , NM)	(CN103)
(3/13)	CN104 CN105	AU-260 For DNW-A75/A75P/A65/A65P (DNW-75/75P/65/65P : , NM)	(CN104) (CN105)
(4/13)	CN108 CN109	EQ-75	(CN108) (CN109)
(10/13)	CN110 CN111 CN112	DPR-118	(CN110) (CN111) (CN112)
(8/13)	CN113 CN114 CN115	VPR-47	(CN113) (CN114) (CN115)
(9/13)	CN116 CN117 CN118	APR-40	(CN116) (CN117) (CN118)
(7/13)	CN122 CN123 CN124	SS-83	(CN122) (CN123) (CN124)
(12/13)	CN130	(VIDEO CONTROL connector)	
	CN131	(RS-232C connector)	
	CN132	(REMOTE-1 OUT (9P) connector)	
	CN133	(REMOTE-1 IN (9P) connector)	
	CN134	(CONTROL PANEL connector)	
(13/13)	CN140	TC-102	(CN140)
	CN141	DT-34D For DNW-A75/A75P/A65/A65P (DNW-75/75P/65/65P : , NM)	(CN390)
	CN142	SE-461 For DNW-A75/A75P/A65/A65P (DNW-75/75P/65/65P : , NM)	(CN4)
	CN143	———	
	CN144	MS-58	(CN2)
	CN145	KY-438	(CN145)
(12/13)	CN146	RM-179	(CN146)
	CN147	FP-117	(CN147)
(13/13)	CN150 CN151 CN152 CN153	POWER SUPPLY UNIT	(CN254) (CN252) (CN252) (CN252)
	CN154	MS-58	(CN1)
	CN160	REAR FAN	
	CN161	MD FAN	
	CN162	———	
	CN170 CN171 CN172	CP-334	(CN170) (CN171) (CN172)
	CN189	VR-223	(CN512)
(12/13)	CN190 CN192 CN193	CP-278	(CN191) (CN192) (CN193)
	CN194 CN195	CP-301	(CN194) (CN195)
	CN196 CN197	CP-335	(CN196) (CN197)
	CN198 CN199	MB-818	(CN199) (CN198)

For DNW-A75/A75P/A65/A65P
(DNW-75/75P/65/65P : , NM)

AU-260

CN104

AU BOARD SHEET NO.	SIGNAL NAME			SIGNAL NAME	AU BOARD SHEET NO.	
(5/5)	GND	1	2	GND	(5/5)	
(5/5)	GND	3	4	GND	(5/5)	
(5/5)	GND	5	6	GND	(5/5)	
(5/5)	GND	7	8	GND	(5/5)	
(5/5)	−8V	9	10	−8V	(5/5)	
(5/5)	+8V−2	11	12	+8V−2	(5/5)	
(5/5)	+8V−2	13	14	+8V−2	(5/5)	
(5/5)	+5.1V−2	15	16	+5.1V−2	(5/5)	
(5/5)	+5.1V−2	17	18	+5.1V−2	(5/5)	
(5/5)	+5.1V−2	19	20	+5.1V−2	(5/5)	
(5/5)	+3.4V−2	21	22	+3.4V−2	(5/5)	
(5/5)	+3.4V−2	23	24	+3.4V−2	(5/5)	
(5/5)	+3.4V−2	25	26	+3.4V−2	(5/5)	
		27	28			
		29	30			
(2/5)	CH1 BIAS CLOCK (X)	31	32	CH1 BIAS CLOCK (Y)	(2/5)	
(2/5)	H:CH1 BIAS ON	33	34	H:CH2 BIAS ON	(5/5)	
(2/5)	CH2 BIAS CLOCK (X)	35	36	CH2 BIAS CLOCK (Y)	(2/5)	
(5/5)	POWER ON MUTE1	37	38			
		39	40			
		41	42			
(5/5)	H:METAL/L:OXIDE	43	44	H:NR ON	(5/5)	116-25
(5/5)	H:B PB MUTE	45	46	H:ATT ON	(5/5)	116-26
(5/5)	H:SLOW EQ ON	47	48	LTC H:PB/L:REC	(5/5)	116-40
(5/5)	CH1 H:REC/L:PB	49	50	CH2 H:REC/L:PB	(5/5)	
		51	52			
(5/5)	AU/APR JP0	53	54	AU/APR JP1	(5/5)	116-32
(5/5)	AU/APR JP2	55	56	AU/APR JP3	(5/5)	116-34
(5/5)	AU/APR JP4	57	58	AU/APR JP5	(5/5)	116-36
		59	60			
		61	62			
(3/5)	AFM CK (X)	63	64	AFM CK (G)	(3/5)	115-48
		65	66			
		67	68			
(3/5)	AFM OE	69	70			
(3/5)	H:DIGITAL/L:ANALOG	71	72	L:Y DO PLS	(3/5)	103-16A
(3/5)	H:AFM MUTE	73	74	L:SQL ON	(4/5)	103-55B
(3/5)	W/R TIM ERROR	75	76	REF CK ERROR	(3/5)	103-54A
(3/5)	PLL ERROR	77	78	ADV C SW PLS	(3/5)	124-43
		79	80			
		81	82			
(3/5)	C SH	83	84	C GUARD BAND	(3/5)	101-34A
(3/5)	Y PB SYNC	85	86	H:NTSC/L:PAL	(3/5)	102-51B
		87	88			
		89	90			
(3/5)	DT V	91	92	L:NOISELESS PB	(3/5)	123-107
(4/5)	H:SV LOCK	93	94			
		95	96			
		97	98			
(5/5)	LTC REC CURR (X)	99	100	LTC REC CURR (G)	(5/5)	140-23
		101	102			
		103	104			
		105	106			
		107	108			
		109	110			
		111	112			
		113	114			
		115	116			
		117	118			
		119	120			
		121	122			
		123	124			

AU-260

CN105

AU BOARD SHEET NO.	SIGNAL NAME			SIGNAL NAME	AU BOARD SHEET NO.	
(5/5)	GND	1	2	GND	(5/5)	
(5/5)	GND	3	4	GND	(5/5)	
		5	6			
		7	8			
		9	10			
(3/5)	C RF (X)	11	12	C RF (X)	(3/5)	103-42A
(3/5)	C RF (G)	13	14	C RF (G)	(3/5)	103-43A
		15	16			
		17	18			
		19	20			
		21	22			
		23	24			
		25	26			
		27	28			
		29	30			
		31	32			
		33	34			
(5/5)	AU/APR JP6	35	36	AU/APR JP7	(5/5)	118-110
		37	38			
(5/5)	AU/APR JP8	39	40	AU/APR JP9	(5/5)	118-114
		41	42			
(1/5)	SP CH1 SEL (X)	43	44	SP CH1 SEL (X)	(1/5)	
(1/5)	SP CH1 SEL (G)	45	46	SP CH1 SEL (G)	(1/5)	
(1/5)	SP CH2 SEL (X)	47	48	SP CH2 SEL (X)	(1/5)	
(1/5)	SP CH2 SEL (G)	49	50	SP CH2 SEL (G)	(1/5)	
(4/5)	SP CH3 SEL (X)	51	52	SP CH3 SEL (X)	(4/5)	
(4/5)	SP CH3 SEL (G)	53	54	SP CH3 SEL (G)	(4/5)	
(4/5)	SP CH4 SEL (X)	55	56	SP CH4 SEL (X)	(4/5)	
(4/5)	SP CH4 SEL (G)	57	58	SP CH4 SEL (G)	(4/5)	
		59	60			
(4/5)	SP CH4 PB/EE2 (G)	61	62	SP CH4 PB/EE2 (G)	(4/5)	118-104, 199-8
(4/5)	SP CH4 PB/EE2 (X)	63	64	SP CH4 PB/EE2 (X)	(4/5)	118-102, 199-7
(4/5)	SP CH3 PB/EE2 (G)	65	66	SP CH3 PB/EE2 (G)	(4/5)	118-100, 199-6
(4/5)	SP CH3 PB/EE2 (X)	67	68	SP CH3 PB/EE2 (X)	(4/5)	118-98, 199-5
(1/5)	SP CH2 PB/EE2 (G)	69	70	SP CH2 PB/EE2 (G)	(1/5)	118-96, 199-4
(1/5)	SP CH2 PB/EE2 (X)	71	72	SP CH2 PB/EE2 (X)	(1/5)	118-94, 199-3
(1/5)	SP CH1 PB/EE2 (G)	73	74	SP CH1 PB/EE2 (G)	(1/5)	118-92, 199-2
(1/5)	SP CH1 PB/EE2 (X)	75	76	SP CH1 PB/EE2 (X)	(1/5)	118-90, 199-1
		77	78			
(4/5)	SP CH4 PB (G)	79	80	SP CH4 PB (G)	(4/5)	
(4/5)	SP CH4 PB (X)	81	82	SP CH4 PB (X)	(4/5)	
(4/5)	SP CH3 PB (G)	83	84	SP CH3 PB (G)	(4/5)	
(4/5)	SP CH3 PB (X)	85	86	SP CH3 PB (X)	(4/5)	
(1/5)	SP CH2 PB (G)	87	88	SP CH2 PB (G)	(1/5)	
(1/5)	SP CH2 PB (X)	89	90	SP CH2 PB (X)	(1/5)	
(1/5)	SP CH1 PB (G)	91	92	SP CH1 PB (G)	(1/5)	
(1/5)	SP CH1 PB (X)	93	94	SP CH1 PB (X)	(1/5)	
		95	96			
(2/5)	SP CH1 REC (G)	97	98	SP CH1 REC (G)	(2/5)	
(2/5)	SP CH1 REC (X)	99	100	SP CH1 REC (X)	(2/5)	
(2/5)	SP CH2 REC (G)	101	102	SP CH2 REC (G)	(2/5)	
(2/5)	SP CH2 REC (X)	103	104	SP CH2 REC (X)	(2/5)	
(5/5)	CH1 CROSSTALK (G)	105	106	CH1 CROSSTALK (G)	(5/5)	
(5/5)	CH1 CROSSTALK (X)	107	108	CH1 CROSSTALK (X)	(5/5)	
(5/5)	CH2 CROSSTALK (G)	109	110	CH2 CROSSTALK (G)	(5/5)	
(5/5)	CH2 CROSSTALK (X)	111	112	CH2 CROSSTALK (X)	(5/5)	
		113	114			
		115	116			
(5/5)	+15V	117	118	+15V	(5/5)	
(5/5)	−15V	119	120	−15V	(5/5)	
(5/5)	GND	121	122	GND	(5/5)	
(5/5)	GND	123	124	GND	(5/5)	

Motherboard, Remote control connectors
(REMOTE1 (9P), RS-232C, VIDEO CONTROL, CONTROL PANEL)

MB-818 (3/13)

BOARD NO. 1-670-599-11
LOT NO. 804- (MB-818: For DNW-A75/A75P)
LOT NO. 807- (MB-818C: For DNW-A65/A65P)
LOT NO. 905- (MB-818E: For DNW-75/75P)
LOT NO. 905- (MB-818F: For DNW-65/65P)

B-¥DNWA75-MB818-11@/M

MB-818 BOARD		CONNECTION	
SHEET No.	REF No.		
(11/13)	CN90 CN91 CN92	DPR-130	(CN90) (CN91) (CN92)
(5/13)	CN97 CN98	SDI-41	(CN97) (CN98)
(6/13)	CN99 CN100	DEC-110 For DNW-A75/A75P/75/75P (DNW-A65/A65P/65/65P : , NM)	(CN99) (CN100)
(1/13)	CN101	TBC-23A For DNW-A75/A75P/A65/A65P (DNW-75/75P/65/65P : , NM)	(CN101)
	CN102	TBC-24 For DNW-A75/A75P/A65/A65P (DNW-75/75P/65/65P : , NM)	(CN102)
(2/13)	CN103	DM-89 For DNW-A75/A75P/A65/A65P (DNW-75/75P/65/65P : , NM)	(CN103)
(3/13)	CN104 CN105	AU-260 For DNW-A75/A75P/A65/A65P (DNW-75/75P/65/65P : , NM)	(CN104) (CN105)
(4/13)	CN108 CN109	EQ-75	(CN108) (CN109)
(10/13)	CN110 CN111 CN112	DPR-118	(CN110) (CN111) (CN112)
(8/13)	CN113 CN114 CN115	VPR-47	(CN113) (CN114) (CN115)
(9/13)	CN116 CN117 CN118	APR-40	(CN116) (CN117) (CN118)
(7/13)	CN122 CN123 CN124	SS-83	(CN122) (CN123) (CN124)
(12/13)	CN130	(VIDEO CONTROL connector)	
	CN131	(RS-232C connector)	
	CN132	(REMOTE-1 OUT (9P) connector)	
	CN133	(REMOTE-1 IN (9P) connector)	
	CN134	(CONTROL PANEL connector)	
(13/13)	CN140	TC-102	(CN140)
	CN141	DT-34D For DNW-A75/A75P/A65/A65P (DNW-75/75P/65/65P : , NM)	(CN390)
	CN142	SE-461 For DNW-A75/A75P/A65/A65P (DNW-75/75P/65/65P : , NM)	(CN4)
	CN143	———	
	CN144	MS-58	(CN2)
	CN145	KY-438	(CN145)
(12/13)	CN146	RM-179	(CN146)
	CN147	FP-117	(CN147)
(13/13)	CN150 CN151 CN152 CN153	POWER SUPPLY UNIT	(CN254) (CN252) (CN252) (CN252)
	CN154	MS-58	(CN1)
	CN160	REAR FAN	
	CN161	MD FAN	
	CN162	———	
	CN170 CN171 CN172	CP-334	(CN170) (CN171) (CN172)
	CN189	VR-223	(CN512)
(12/13)	CN190 CN192 CN193	CP-278	(CN191) (CN192) (CN193)
	CN194 CN195	CP-301	(CN194) (CN195)
	CN196 CN197	CP-335	(CN196) (CN197)
	CN198 CN199	MB-818	(CN199) (CN198)

EQ-75

CN108

EQ BOARD SHEET NO.	SIGNAL NAME			SIGNAL NAME	EQ BOARD SHEET NO.
(1/7)	GND	1	2	GND	(1/7)
(1/7)	GND	3	4	GND	(1/7)
(1/7)	GND	5	6	GND	(1/7)
(1/7)	GND	7	8	GND	(1/7)
(1/7)	−8V	9	10	−8V	(1/7)
(1/7)	+8V−2	11	12	+8V−2	(1/7)
(1/7)	+8V−2	13	14	+8V−2	(1/7)
(1/7)	+5.1V−2	15	16	+5.1V−2	(1/7)
(1/7)	+5.1V−2	17	18	+5.1V−2	(1/7)
(1/7)	+5.1V−2	19	20	+5.1V−2	(1/7)
(1/7)	+3.4V−2	21	22	+3.4V−2	(1/7)
(1/7)	+3.4V−2	23	24	+3.4V−2	(1/7)
(1/7)	+3.4V−2	25	26	+3.4V−2	(1/7)
(1/7)	GND	27	28	GND	(1/7)
(2/7)	REC HEAD PB A	29	30	REC HEAD PB A	(2/7)
(1/7)	GND	31	32	GND	(1/7)
(2/7)	REC HEAD PB B	33	34	REC HEAD PB B	(2/7)
(1/7)	GND	35	36	GND	(1/7)
(1/7)	GND	37	38	GND	(1/7)
(2/7)	REC A (X)	39	40	REC A (X)	(2/7)
(2/7)	REC A (Y)	41	42	REC A (Y)	(2/7)
(2/7)	REC A (G)	43	44	REC A (G)	(2/7)
(2/7)	REC B (X)	45	46	REC B (X)	(2/7)
(2/7)	REC B (Y)	47	48	REC B (Y)	(2/7)
(2/7)	REC B (G)	49	50	REC B (G)	(2/7)
(1/7)	GND	51	52	GND	(1/7)
(1/7)	GND	53	54	GND	(1/7)
(1/7)	GND	55	56	GND	(1/7)
(1/7)	GND	57	58	GND	(1/7)
(1/7)	GND	59	60	GND	(1/7)
(7/7)	PARITY BIT	61	62	PARITY BIT	(7/7)
(7/7)	PARITY CLR	63	64	PARITY CLR	(7/7)
(7/7)	EQ GOP	65	66	EQ GOP	(7/7)
(7/7)	SPEED	67	68	SPEED	(7/7)
(1/7)	GND	69	70	GND	(1/7)
(1/7)	GND	71	72	GND	(1/7)
(1/7)	GND	73	74	GND	(1/7)
(1/7)	GND	75	76	GND	(1/7)
(7/7)	PB ENV (X)	77	78	PB ENV (X)	(7/7)
(7/7)	PB ENV (G)	79	80	PB ENV (G)	(7/7)
(1/7)	GND	81	82	GND	(1/7)
(1/7)	GND	83	84	GND	(1/7)
(1/7)	GND	85	86	GND	(1/7)
(7/7)	SYS RESET5 S	87	88	SYS RESET5 S	(7/7)
(1/7)	GND	89	90	GND	(1/7)
(1/7)	CNF SEL	91	92	CNF SEL	(1/7)
(1/7)	SS EQ JP1	93	94	SS EQ JP1	(1/7)
(1/7)	SS EQ JP2	95	96	SS EQ JP2	(1/7)
(1/7)	GND	97	98	GND	(1/7)
(1/7)	GND	99	100	GND	(1/7)
(1/7)	GND	101	102	GND	(1/7)
(7/7)	SIF2 SCK	103	104	SIF2 SCK	(7/7)
(7/7)	SIF2 RES	105	106	SIF2 RES	(7/7)
(7/7)	SIF2 CMD	107	108	SIF2 CMD	(7/7)
(7/7)	SIF2 EQ CS	109	110	SIF2 EQ CS	(7/7)
(7/7)	SIF2 RDY	111	112	SIF2 RDY	(7/7)
(1/7)	GND	113	114	GND	(1/7)
(5/7)	REC PARITY	115	116	REC PARITY	(5/7)
(1/7)	GND	117	118	GND	(1/7)
(1/7)	GND	119	120	GND	(1/7)
(1/7)	GND	121	122	GND	(1/7)
(1/7)	GND	123	124	GND	(1/7)

EQ-75

CN109

EQ BOARD SHEET NO.	SIGNAL NAME			SIGNAL NAME	EQ BOARD SHEET NO.
(1/7)	GND	1	2	GND	(1/7)
(1/7)	GND	3	4	GND	(1/7)
(5/7)	CK 27 (X)	5	6	CK 27 (X)	(5/7)
(5/7)	CK 27 (G)	7	8	CK 27 (G)	(5/7)
(1/7)	GND	9	10	GND	(1/7)
(1/7)	GND	11	12	GND	(1/7)
(1/7)	DPR EQ JP0	13	14	DPR EQ JP0	(1/7)
(1/7)	DPR EQ JP1	15	16	DPR EQ JP1	(1/7)
(1/7)	DPR EQ JP2	17	18	DPR EQ JP2	(1/7)
(1/7)	DPR EQ JP3	19	20	DPR EQ JP3	(1/7)
(1/7)	DPR EQ JP4	21	22	DPR EQ JP4	(1/7)
(1/7)	GND	23	24	GND	(1/7)
(2/7)	REC CK (X)	25	26	REC CK (X)	(2/7)
(2/7)	REC CK (G)	27	28	REC CK (G)	(2/7)
(1/7)	GND	29	30	GND	(1/7)
(1/7)	GND	31	32	GND	(1/7)
	PB DATA A0	33	34	PB DATA A0	
	PB DATA A1	35	36	PB DATA A1	
	PB DATA A2	37	38	PB DATA A2	
	PB DATA A3	39	40	PB DATA A3	
	PB DATA A4	41	42	PB DATA A4	
	PB DATA A5	43	44	PB DATA A5	
	PB DATA A6	45	46	PB DATA A6	
	PB DATA A7	47	48	PB DATA A7	
	PB STP A	49	50	PB STP A	
(5/7)	PB PARITY A	51	52	PB PARITY A	(5/7)
(1/7)	GND	53	54	GND	(1/7)
(6/7)	PB DATA B0	55	56	PB DATA B0	(6/7)
(6/7)	PB DATA B1	57	58	PB DATA B1	(6/7)
(6/7)	PB DATA B2	59	60	PB DATA B2	(6/7)
(6/7)	PB DATA B3	61	62	PB DATA B3	(6/7)
(6/7)	PB DATA B4	63	64	PB DATA B4	(6/7)
(6/7)	PB DATA B5	65	66	PB DATA B5	(6/7)
(6/7)	PB DATA B6	67	68	PB DATA B6	(6/7)
(6/7)	PB DATA B7	69	70	PB DATA B7	(6/7)
(6/7)	PB STP B	71	72	PB STP B	(6/7)
(6/7)	PB PARITY B	73	74	PB PARITY B	(6/7)
(1/7)	GND	75	76	GND	(1/7)
(1/7)	A1/A5 SEL	77	78	A1/A5 SEL	(1/7)
(1/7)	A3/A7 SEL	79	80	A3/A7 SEL	(1/7)
(1/7)	A2/A6 SEL	81	82	A2/A6 SEL	(1/7)
(1/7)	A4/A8 SEL	83	84	A4/A8 SEL	(1/7)
(1/7)	GND	85	86	GND	(1/7)
(2/7)	L:REC A EN	87	88	L:REC A EN	(2/7)
(2/7)	L:REC B EN	89	90	L:REC B EN	(2/7)
(1/7)	GND	91	92	GND	(1/7)
(1/7)	L:FE EN	93	94	L:FE EN	(1/7)
(1/7)	REC SEL	95	96	REC SEL	(1/7)
(1/7)	GND	97	98	GND	(1/7)
(1/7)	GND	99	100	GND	(1/7)
(3/7)	DM PB Y (X)	101	102	DM PB Y (X)	(3/7)
(3/7)	DM PB Y (G)	103	104	DM PB Y (G)	(3/7)
(1/7)	GND	105	106	GND	(1/7)
(3/7)	DM PB C (X)	107	108	DM PB C (X)	(3/7)
(3/7)	DM PB C (G)	109	110	DM PB C (G)	(3/7)
(1/7)	GND	111	112	GND	(1/7)
(1/7)	GND	113	114	GND	(1/7)
(1/7)	GND	115	116	GND	(1/7)
(1/7)	+15V	117	118	+15V	(1/7)
(1/7)	−15V	119	120	−15V	(1/7)
(1/7)	GND	121	122	GND	(1/7)
(1/7)	GND	123	124	GND	(1/7)

Motherboard, Remote control connectors
(REMOTE1 (9P), RS-232C, VIDEO CONTROL, CONTROL PANEL)

MB-818 (4/13)

BOARD NO. 1-670-599-11
LOT NO. 804- (MB-818: For DNW-A75/A75P)
LOT NO. 807- (MB-818C: For DNW-A65/A65P)
LOT NO. 905- (MB-818E: For DNW-75/75P)
LOT NO. 905- (MB-818F: For DNW-65/65P)

B-¥DNWA75-MB818-11@/M

MB-818 BOARD		CONNECTION	
SHEET No.	REF No.		
(11/13)	CN90 CN91 CN92	DPR-130	(CN90) (CN91) (CN92)
(5/13)	CN97 CN98	SDI-41	(CN97) (CN98)
(6/13)	CN99 CN100	DEC-110 For DNW-A75/A75P/75/75P (DNW-A65/A65P/65/65P : , NM)	(CN99) (CN100)
(1/13)	CN101	TBC-23A For DNW-A75/A75P/A65/A65P (DNW-75/75P/65/65P : , NM)	(CN101)
	CN102	TBC-24 For DNW-A75/A75P/A65/A65P (DNW-75/75P/65/65P : , NM)	(CN102)
(2/13)	CN103	DM-89 For DNW-A75/A75P/A65/A65P (DNW-75/75P/65/65P : , NM)	(CN103)
(3/13)	CN104 CN105	AU-260 For DNW-A75/A75P/A65/A65P (DNW-75/75P/65/65P : , NM)	(CN104) (CN105)
(4/13)	CN108 CN109	EQ-75	(CN108) (CN109)
(10/13)	CN110 CN111 CN112	DPR-118	(CN110) (CN111) (CN112)
(8/13)	CN113 CN114 CN115	VPR-47	(CN113) (CN114) (CN115)
(9/13)	CN116 CN117 CN118	APR-40	(CN116) (CN117) (CN118)
(7/13)	CN122 CN123 CN124	SS-83	(CN122) (CN123) (CN124)
(12/13)	CN130	(VIDEO CONTROL connector)	
	CN131	(RS-232C connector)	
	CN132	(REMOTE-1 OUT (9P) connector)	
	CN133	(REMOTE-1 IN (9P) connector)	
	CN134	(CONTROL PANEL connector)	
(13/13)	CN140	TC-102	(CN140)
	CN141	DT-34D For DNW-A75/A75P/A65/A65P (DNW-75/75P/65/65P : , NM)	(CN390)
	CN142	SE-461 For DNW-A75/A75P/A65/A65P (DNW-75/75P/65/65P : , NM)	(CN4)
	CN143	———	
	CN144	MS-58	(CN2)
	CN145	KY-438	(CN145)
(12/13)	CN146	RM-179	(CN146)
	CN147	FP-117	(CN147)
(13/13)	CN150 CN151 CN152 CN153	POWER SUPPLY UNIT	(CN254) (CN252) (CN252) (CN252)
	CN154	MS-58	(CN1)
	CN160	REAR FAN	
	CN161	MD FAN	
	CN162	———	
	CN170 CN171 CN172	CP-334	(CN170) (CN171) (CN172)
	CN189	VR-223	(CN512)
(12/13)	CN190 CN192 CN193	CP-278	(CN191) (CN192) (CN193)
	CN194 CN195	CP-301	(CN194) (CN195)
	CN196 CN197	CP-335	(CN196) (CN197)
	CN198 CN199	MB-818	(CN199) (CN198)

SDI-41

CN97

SDI BOARD SHEET NO.	SIGNAL NAME			SIGNAL NAME	SDI BOARD SHEET NO.	
(13/13)	GND	1	2	GND	(13/13)	
(13/13)	GND	3	4	GND	(13/13)	
(13/13)	GND	5	6	GND	(13/13)	
(13/13)	GND	7	8	GND	(13/13)	
(13/13)	−8V	9	10	−8V	(13/13)	
(13/13)	+8V−2	11	12	+8V−2	(13/13)	
(13/13)	+8V−2	13	14	+8V−2	(13/13)	
(13/13)	+5.1V−2	15	16	+5.1V−2	(13/13)	
(13/13)	+5.1V−2	17	18	+5.1V−2	(13/13)	
(13/13)	+5.1V−2	19	20	+5.1V−2	(13/13)	
(13/13)	+3.4V−2	21	22	+3.4V−2	(13/13)	
(13/13)	+3.4V−2	23	24	+3.4V−2	(13/13)	
(13/13)	+3.4V−2	25	26	+3.4V−2	(13/13)	
		27	28			
		29	30			
		31	32			
		33	34			
		35	36			
		37	38			
		39	40			
		41	42			
		43	44			
		45	46			
	SDI DPR JP0	47	48	SDI DPR JP1		110-16
(7/13)	EVR RESET	49	50	EVR START	(7/13)	90-15, 110-18
(7/13)	EVR DACK	51	52	EVR DATA	(7/13)	90-17, 110-20
(2/13)	SDDI ENC DO	53	54	SDDI ENC FLAG	(2/13)	110-22
(2/13)	SDDI DEC DO	55	56	SDDI DEC FLAG	(2/13)	110-24
		57	58	EVR LOAD	(7/13)	90-18, 110-26
(7/13)	SIF2 SCK	59	60			
(7/13)	SIF2 CMD	61	62	SIF2 RES	(7/13)	122-71
(7/13)	SIF2 RDY	63	64			
(7/13)	SIF2 DIF CS	65	66	SYS RESET5 S	(7/13)	122-118
		67	68			
(5/13)	SDDI IN H	69	70	SDI AU T 1/2	(8/13)	116-21
(5/13)	SDDI IN V	71	72	SDI AU T 3/4	(8/13)	116-22
(5/13)	SDDI IN F	73	74			
(7/13)	SDI REC VD	75	76	SDI ADV CF	(5/13)	115-108
		77	78			
(5/13)	INPUT CF0	79	80	INPUT CF1	(5/13)	115-136
		81	82	INPUT CF2	(5/13)	115-128
(5/13)	CRUSH CF	83	84	INPUT V START	(5/13)	115-124
		85	86	NON STD LOCK	(7/13)	114-96
(5/13)	SDI IN REF HD	87	88	SDI IN REF VD	(5/13)	115-146
		89	90	SDI IN REF EFLAG	(5/13)	115-148
		91	92			
		93	94	PB DATA GND	(9/13)	113-46
(9/13)	PB DATA0	95	96	PB DATA1	(9/13)	113-30
		97	98	PB DATA2	(9/13)	113-31
(9/13)	PB DATA3	99	100	PB DATA4	(9/13)	113-33
		101	102	PB DATA5	(9/13)	113-34
(9/13)	PB DATA6	103	104	PB DATA7	(9/13)	113-36
		105	106	PB DATA8	(9/13)	113-37
(9/13)	PB DATA9	107	108	PB HD	(9/13)	113-39
		109	110	PB CF0	(9/13)	113-40
(9/13)	PB CF INFO	111	112	PB CF2	(9/13)	113-42
(9/13)	PB PARITY	113	114	PB DLY PLS	(9/13)	113-44
(5/13)	PB VD	115	116			
(12/13)	GND	117	118	CHARA FRM D (X)	(12/13)	123-85
(12/13)	CHARA SIG D (G)	119	120	CHARA SIG D (X)	(12/13)	123-76
		121	122			
(8/13)	SDI CK (G)	123	124	SDI CK (X)	(8/13)	115-44

SDI-41

CN98

SDI BOARD SHEET NO.	SIGNAL NAME			SIGNAL NAME	SDI BOARD SHEET NO.	
(13/13)	GND	1	2	GND	(13/13)	
(13/13)	GND	3	4	GND	(13/13)	
		5	6	DEC/AD PLL LOCK	(7/13)	100-5
(7/13)	CHROMA 100/75	7	8			100-6
	SDI DEC JP0	9	10	MODE DATA	(7/13)	100-9
(7/13)	STATUS DATA	11	12	DD START	(7/13)	100-11
	SDI DEC JP1	13	14	DD SCK	(7/13)	100-13
(7/13)	POWER ON RESET	15	16			100-14
		17	18	SDI AU R 1/2	(3/13)	116-19
(5/13)	DEC VD	19	20	SDI AU R 3/4	(3/13)	116-20
		21	22			NC
(3/13)	SDI AU MUTE1	23	24	SDI AU 128FSO (X)	(8/13)	115-60
(3/13)	SDI AU MUTE2	25	26	SDI AU 128FSO (G)	(8/13)	115-59
(3/13)	SDI AU MUTE3	27	28	SDI AU 64FSO	(8/13)	115-58
(3/13)	SDI AU MUTE4	29	30	SDI AU FSO	(8/13)	115-56
		31	32			
(5/13)	DEC/AD GND	33	34	DEC/AD GND	(5/13)	100-33
(5/13)	DEC/AD DATA0	35	36	DEC/AD DATA1	(5/13)	100-35
		37	38	DEC/AD DATA2	(5/13)	100-37
(5/13)	DEC/AD DATA3	39	40	DEC/AD DATA4	(5/13)	100-39
		41	42	DEC/AD DATA5	(5/13)	100-41
(5/13)	DEC/AD DATA6	43	44	DEC/AD DATA7	(5/13)	100-43
	SDI DEC JP2	45	46	DEC/AD DATA8	(5/13)	100-45
(5/13)	DEC/AD DATA9	47	48	DEC/AD HD	(5/13)	100-47
	SDI DEC JP3	49	50	DEC/AD VD	(5/13)	100-49
(5/13)	DEC/AD CF INFO	51	52	DEC/AD PARITY	(5/13)	100-51
(5/13)	DEC/AD CK (G)	53	54	DEC/AD CK (X)	(5/13)	100-53
(13/13)	GND	55	56	GND	(13/13)	
(13/13)	GND	57	58	GND	(13/13)	
(6/13)	REC/EE DATA0	59	60	REC/EE DATA1	(6/13)	114-47
	SDI VPR JP0	61	62	REC/EE DATA2	(6/13)	114-48
(6/13)	REC/EE DATA3	63	64	REC/EE DATA4	(6/13)	114-51
		65	66	REC/EE DATA5	(6/13)	114-52
(6/13)	REC/EE DATA6	67	68	REC/EE DATA7	(6/13)	114-55
	SDI VPR JP2	69	70	REC/EE DATA8	(6/13)	114-56
(6/13)	REC/EE DATA9	71	72	REC/EE HD	(6/13)	114-59
(6/13)	SDI VPR JP3	73	74	REC/EE VD	(6/13)	114-60
(6/13)	REC/EE CF INFO	75	76	REC/EE PARITY	(6/13)	114-63
(6/13)	REC/EE DATA GND	77	78	REC/EE DATA GND	(6/13)	114-64
		79	80			
(13/13)	GND	81	82	GND	(13/13)	
(13/13)	SY2 D0 S	83	84	SY2 D1 S	(13/13)	122-37
	SDI SS JP1	85	86	SY2 D2 S	(13/13)	122-38
(13/13)	SY2 D3 S	87	88	SY2 D4 S	(13/13)	122-40
	SDI SS JP2	89	90	SY2 D5 S	(13/13)	122-41
(13/13)	SY2 D6 S	91	92	SY2 D7 S	(13/13)	122-43
(13/13)	GND	93	94	GND	(13/13)	
(13/13)	SY2 A0 S	95	96	SY2 A1 S	(13/13)	122-46
	SDI SS JP3	97	98	SY2 A2 S	(13/13)	122-47
(13/13)	SY2 A3 S	99	100	SY2 A4 S	(13/13)	122-49
	SDI SS JP4	101	102	SY2 A5 S	(13/13)	122-50
(13/13)	SY2 A6 S	103	104	SY2 A7 S	(13/13)	122-52
(13/13)	GND	105	106	GND	(13/13)	
(13/13)	SY2 WR S	107	108	SY2 RD S	(13/13)	122-55
		109	110	SY2 DIR S	(13/13)	122-56
(13/13)	SY2 SDI CS	111	112	SY2 STB S	(13/13)	122-57
		113	114	SY2 PIORES S (3V)	(13/13)	122-58
		115	116			
	+15V	117	118	+15V		
	−15V	119	120	−15V		
(13/13)	GND	121	122	GND	(13/13)	
(13/13)	GND	123	124	GND	(13/13)	

Motherboard, Remote control connectors
(REMOTE1 (9P), RS-232C, VIDEO CONTROL, CONTROL PANEL)

MB-818 (5/13)

BOARD NO. 1-670-599-11
LOT NO. 804- (MB-818: For DNW-A75/A75P)
LOT NO. 807- (MB-818C: For DNW-A65/A65P)
LOT NO. 905- (MB-818E: For DNW-75/75P)
LOT NO. 905- (MB-818F: For DNW-65/65P)

B-¥DNWA75-MB818-11@/M

MB-818 (6/13)

MB-818 BOARD		CONNECTION
SHEET No.	REF No.	
(11/13)	CN90 CN91 CN92	DPR-130 (CN90) (CN91) (CN92)
(5/13)	CN97 CN98	SDI-41 (CN97) (CN98)
(6/13)	CN99 CN100	DEC-110 (CN99) For DNW-A75/A75P/75/75P (CN100) (DNW-A65/A65P/65/65P :, NM)
(1/13)	CN101	TBC-23A (CN101) For DNW-A75/A75P/A65/A65P (DNW-75/75P/65/65P :, NM)
	CN102	TBC-24 (CN102) For DNW-A75/A75P/A65/A65P (DNW-75/75P/65/65P :, NM)
(2/13)	CN103	DM-89 (CN103) For DNW-A75/A75P/A65/A65P (DNW-75/75P/65/65P :, NM)
(3/13)	CN104 CN105	AU-260 (CN104) For DNW-A75/A75P/A65/A65P (CN105) (DNW-75/75P/65/65P :, NM)
(4/13)	CN108 CN109	EQ-75 (CN108) (CN109)
(10/13)	CN110 CN111 CN112	DPR-118 (CN110) (CN111) (CN112)
(8/13)	CN113 CN114 CN115	VPR-47 (CN113) (CN114) (CN115)
(9/13)	CN116 CN117 CN118	APR-40 (CN116) (CN117) (CN118)
(7/13)	CN122 CN123 CN124	SS-83 (CN122) (CN123) (CN124)
(12/13)	CN130	(VIDEO CONTROL connector)
	CN131	(RS-232C connector)
	CN132	(REMOTE-1 OUT (9P) connector)
	CN133	(REMOTE-1 IN (9P) connector)
	CN134	(CONTROL PANEL connector)
(13/13)	CN140	TC-102 (CN140)
	CN141	DT-34D (CN390) For DNW-A75/A75P/A65/A65P (DNW-75/75P/65/65P :, NM)
	CN142	SE-461 (CN4) For DNW-A75/A75P/A65/A65P (DNW-75/75P/65/65P :, NM)
	CN143	———
	CN144	MS-58 (CN2)
	CN145	KY-438 (CN145)
(12/13)	CN146	RM-179 (CN146)
	CN147	FP-117 (CN147)
(13/13)	CN150 CN151 CN152 CN153	POWER SUPPLY UNIT (CN254) (CN252) (CN252) (CN252)
	CN154	MS-58 (CN1)
	CN160	REAR FAN
	CN161	MD FAN
	CN162	———
	CN170 CN171 CN172	CP-334 (CN170) (CN171) (CN172)
	CN189	VR-223 (CN512)
(12/13)	CN190 CN192 CN193	CP-278 (CN191) (CN192) (CN193)
	CN194 CN195	CP-301 (CN194) (CN195)
	CN196 CN197	CP-335 (CN196) (CN197)
	CN198 CN199	MB-818 (CN199) (CN198)

For DNW-A75/A75P/75/75P
(DNW-A65/A65P/65/65P:, NM)

DEC-110

DEC BOARD SHEET NO.	CN99 SIGNAL NAME			CN99 SIGNAL NAME	DEC BOARD SHEET NO.	
(4/4)	GND	1	2	GND	(4/4)	
(4/4)	GND	3	4	GND	(4/4)	
(4/4)	GND	5	6	GND	(4/4)	
(4/4)	GND	7	8	GND	(4/4)	
(2/4)	−8V	9	10	−8V	(2/4)	
(2/4)	+8V−2	11	12	+8V−2	(2/4)	
(2/4)	+8V−2	13	14	+8V−2	(2/4)	
(2/4)	+5.1V−2	15	16	+5.1V−2	(2/4)	
(2/4)	+5.1V−2	17	18	+5.1V−2	(2/4)	
(2/4)	+5.1V−2	19	20	+5.1V−2	(2/4)	
(2/4)	+3.4V−2	21	22	+3.4V−2	(2/4)	
(2/4)	+3.4V−2	23	24	+3.4V−2	(2/4)	
(2/4)	+3.4V−2	25	26	+3.4V−2	(2/4)	
		27	28			
		29	30			
(4/4)	GND	31	32	GND	(4/4)	
(1/4)	INPUT VIDEO (G)	33	34	INPUT VIDEO (X)	(1/4)	
(4/4)	GND	35	36	GND	(4/4)	
(4/4)	GND	37	38	GND	(4/4)	
(4/4)	GND	39	40	GND	(4/4)	
(4/4)	GND	41	42	Y DEC (X)	(3/4)	
(4/4)	GND	43	44	Y DEC (G)	(3/4)	
(4/4)	GND	45	46	R−Y DEC (X)	(3/4)	
(4/4)	GND	47	48	R−Y DEC (G)	(3/4)	
(4/4)	GND	49	50	B−Y DEC (X)	(3/4)	
(4/4)	GND	51	52	B−Y DEC (G)	(3/4)	
(4/4)	GND	53	54	GND	(4/4)	
		55	56			
		57	58			
		59	60			
		61	62			
		63	64			
		65	66			
		67	68			
		69	70			
		71	72			
		73	74			
		75	76			
		77	78			
		79	80			
		81	82			
		83	84			
		85	86			
		87	88			
		89	90			
		91	92			
		93	94			
		95	96			
		97	98			
		99	100			
		101	102			
		103	104			
		105	106			
		107	108			
		109	110			
		111	112			
		113	114			
		115	116			
		117	118			
		119	120			
		121	122			
		123	124			

DEC-110

DEC BOARD SHEET NO.	CN100 SIGNAL NAME			CN100 SIGNAL NAME	DEC BOARD SHEET NO.	
(4/4)	GND	1	2	GND	(4/4)	
(4/4)	GND	3	4	GND	(4/4)	
(4/4)	DEC/AD PLL LOCK	5	6	CHROMA 100/75	(4/4)	98-7
		7	8	SDI DEC JP0		98-9
(2/4)	MODE DATA	9	10	STATUS DATA	(2/4)	98-11
(2/4)	DD START	11	12	SDI DEC JP1		98-13
(2/4)	DD SCK	13	14	POWER ON RESET	(2/4)	98-15
		15	16			
		17	18			
		19	20			
		21	22			
		23	24			
		25	26			
		27	28			
		29	30			
(2/4)	DEC/AD GND	31	32			
(2/4)	DEC/AD GND	33	34	DEC/AD DATA0	(2/4)	98-35
(2/4)	DEC/AD DATA1	35	36			
(2/4)	DEC/AD DATA2	37	38	DEC/AD DATA3	(2/4)	98-39
(2/4)	DEC/AD DATA4	39	40			
(2/4)	DEC/AD DATA5	41	42	DEC/AD DATA6	(2/4)	98-43
(2/4)	DEC/AD DATA7	43	44	SDI DEC JP2		98-45
(2/4)	DEC/AD DATA8	45	46	DEC/AD DATA9	(2/4)	98-47
(2/4)	DEC/AD HD	47	48	SDI DEC JP3		98-49
(2/4)	DEC/AD VD	49	50	DEC/AD CF INFO	(2/4)	98-51
(2/4)	DEC/AD PARITY	51	52			
(2/4)	DEC/AD CK (X)	53	54	DEC/AD CK (G)	(2/4)	98-53
		55	56			
		57	58			
		59	60			
		61	62			
		63	64			
		65	66			
		67	68			
		69	70			
	SIF3 CMD	71	72			122-63
	SIF3 START	73	74	SIF3 RES		122-64
	SIF3 SCK	75	76			122-62
		77	78			
(4/4)	GND	79	80	GND	(4/4)	
(4/4)	GND	81	82	SY2 D0 S	(1/4)	122-36
(1/4)	SY2 D1 S	83	84			122-37
(1/4)	SY2 D2 S	85	86	SY2 D3 S	(1/4)	122-39
(1/4)	SY2 D4 S	87	88			122-40
(1/4)	SY2 D5 S	89	90	SY2 D6 S	(1/4)	122-42
(1/4)	SY2 D7 S	91	92	GND	(4/4)	122-43
(4/4)	GND	93	94	SY2 A0 S	(1/4)	122-45
(1/4)	SY2 A1 S	95	96			122-46
(1/4)	SY2 A2 S	97	98	SY2 A3 S	(1/4)	122-48
(1/4)	SY2 A4 S	99	100			122-49
(1/4)	SY2 A5 S	101	102	SY2 A6 S	(1/4)	122-51
(1/4)	SY2 A7 S	103	104	GND	(4/4)	122-52
(4/4)	GND	105	106	SY2 WR S	(1/4)	122-54
(1/4)	SY2 RD S	107	108			122-55
(1/4)	SY2 DIR S	109	110	SY2 DEC CS	(1/4)	122-59
(1/4)	SY2 STB S	111	112			122-57
(1/4)	SY2 PIORES S (3V)	113	114			122-58
		115	116			
(2/4)	+15V	117	118	+15V	(2/4)	
	−15V	119	120	−15V		
(4/4)	GND	121	122	GND	(4/4)	
(4/4)	GND	123	124	GND	(4/4)	

Motherboard, Remote control connectors
(REMOTE1 (9P), RS-232C, VIDEO CONTROL, CONTROL PANEL)

MB-818 (6/13)

BOARD NO. 1-670-599-11
LOT NO. 804- (MB-818: For DNW-A75/A75P)
LOT NO. 807- (MB-818C: For DNW-A65/A65P)
LOT NO. 905- (MB-818E: For DNW-75/75P)
LOT NO. 905- (MB-818F: For DNW-65/65P)

B-¥DNWA75-MB818-11@/M

DNW-75/75P
DNW-65/65P

3-103

MB-818 (7/13)

MB-818 BOARD		CONNECTION
SHEET No.	REF No.	
(11/13)	CN90 CN91 CN92	DPR-130 (CN90) (CN91) (CN92)
(5/13)	CN97 CN98	SDI-41 (CN97) (CN98)
(6/13)	CN99 CN100	DEC-110 (CN99) For DNW-A75/A75P/75/75P (CN100) (DNW-A65/A65P/65/65P : , NM)
(1/13)	CN101	TBC-23A (CN101) For DNW-A75/A75P/A65/A65P (DNW-75/75P/65/65P : , NM)
	CN102	TBC-24 (CN102) For DNW-A75/A75P/A65/A65P (DNW-75/75P/65/65P : , NM)
(2/13)	CN103	DM-89 (CN103) For DNW-A75/A75P/A65/A65P (DNW-75/75P/65/65P : , NM)
(3/13)	CN104 CN105	AU-260 (CN104) For DNW-A75/A75P/A65/A65P (CN105) (DNW-75/75P/65/65P : , NM)
(4/13)	CN108 CN109	EQ-75 (CN108) (CN109)
(10/13)	CN110 CN111 CN112	DPR-118 (CN110) (CN111) (CN112)
(8/13)	CN113 CN114 CN115	VPR-47 (CN113) (CN114) (CN115)
(9/13)	CN116 CN117 CN118	APR-40 (CN116) (CN117) (CN118)
(7/13)	CN122 CN123 CN124	SS-83 (CN122) (CN123) (CN124)
(12/13)	CN130	(VIDEO CONTROL connector)
	CN131	(RS-232C connector)
	CN132	(REMOTE-1 OUT (9P) connector)
	CN133	(REMOTE-1 IN (9P) connector)
	CN134	(CONTROL PANEL connector)
(13/13)	CN140	TC-102 (CN140)
	CN141	DT-34D (CN390) For DNW-A75/A75P/A65/A65P (DNW-75/75P/65/65P : , NM)
	CN142	SE-461 (CN4) For DNW-A75/A75P/A65/A65P (DNW-75/75P/65/65P : , NM)
	CN143	———
	CN144	MS-58 (CN2)
	CN145	KY-438 (CN145)
(12/13)	CN146	RM-179 (CN146)
	CN147	FP-117 (CN147)
(13/13)	CN150 CN151 CN152 CN153	POWER SUPPLY UNIT (CN254) (CN252) (CN252) (CN252)
	CN154	MS-58 (CN1)
	CN160	REAR FAN
	CN161	MD FAN
	CN162	———
	CN170 CN171 CN172	CP-334 (CN170) (CN171) (CN172)
	CN189	VR-223 (CN512)
(12/13)	CN190 CN192 CN193	CP-278 (CN191) (CN192) (CN193)
	CN194 CN195	CP-301 (CN194) (CN195)
	CN196 CN197	CP-335 (CN196) (CN197)
	CN198 CN199	MB-818 (CN199) (CN198)

SS-83

	SS BOARD	CN122				SS BOARD	
	SHEET NO.	SIGNAL NAME			SIGNAL NAME	SHEET NO.	
130-7	(6/16)	SYS-12V	1	2	SYS-12V	(6/16)	130-7
130-15	(6/16)	SYS+12V	3	4	SYS+12V	(6/16)	130-15
	(6/16)	GND	5	6	GND	(6/16)	
			7	8	DPR130 WAIT	(11/16)	90-8
90-9	(11/16)	SY2 A10 L	9	10	SY2 A11 L	(11/16)	90-10
90-11	(11/16)	SY2 OPT CS	11	12	GND		
146-14	(7/16)	EEPROM BSY	13	14	NC		
98-85		SDI SS JP1	15	16	SDI SS JP2		98-89
98-97		SDI SS JP3	17	18	SDI SS JP4		98-101
			19	20	Y GH	(10/16)	102-17B, 103-48A
103-94, 108-93		SS EQ JP1	21	22	SS EQ JP2		108-95, 108-96
143-9	(7/16)	TF PCON	23	24	TBC RESET	(10/16)	101-27A, 103-56B
101-26B, 102-31A, 103-49A	(10/16)	H:525	25	26	GND	(7/16)	
143-6	(7/16)	TF CK	27	28	TF SIO	(7/16)	143-4
143-5	(7/16)	TF R REQ	29	30	TF S REQ	(7/16)	143-10
143-7	(7/16)	TF CS	31	32	GND	(11/16)	
90-33, 116-79	(11/16)	SY2 A8 L	33	34	SY2 A9 L	(11/16)	90-34, 116-80
	(11/16)	GND	35	36	SY2 D0 S	(11/16)	98-83, 100-82
98-84, 100-83	(11/16)	SY2 D1 S	37	38	SY2 D2 S	(11/16)	98-86, 100-85
98-87, 100-86	(11/16)	SY2 D3 S	39	40	SY2 D4 S	(11/16)	98-88, 100-87
98-90, 100-89	(11/16)	SY2 D5 S	41	42	SY2 D6 S	(11/16)	98-91, 100-90
98-92, 100-91	(11/16)	SY2 D7 S	43	44	GND	(11/16)	
98-95, 100-94	(11/16)	SY2 A0 S	45	46	SY2 A1 S	(11/16)	98-96, 100-95
98-98, 100-97	(11/16)	SY2 A2 S	47	48	SY2 A3 S	(11/16)	98-99, 100-98
98-100, 100-99	(11/16)	SY2 A4 S	49	50	SY2 A5 S	(11/16)	98-102, 100-101
98-103, 100-102	(11/16)	SY2 A6 S	51	52	SY2 A7 S	(11/16)	98-104, 100-103
	(11/16)	GND	53	54	SY2 WR S	(11/16)	98-107, 100-106
98-108, 100-107	(11/16)	SY2 RD S	55	56	SY2 DIR S	(11/16)	98-110, 100-109
98-112, 100-111	(11/16)	SY2 STB S	57	58	SY2 PIORES S(3V)	(11/16)	98-114, 100-113
100-110	(11/16)	SY2 DEC CS	59	60	SY2 SDI CS	(11/16)	98-111
	(11/16)	GND	61	62	SIF3 SCK	(11/16)	100-75, 113-63, 116-67
100-71, 113-62, 116-68	(11/16)	SIF3 CMD	63	64	SIF3 RES	(11/16)	113-64, 116-69
100-73, 113-65, 116-70	(11/16)	SIF3 START	65	66	SS APR JP0	(11/16)	116-54
110-43	(11/16)	L:SDDI INT	67	68	GND	(11/16)	
97-59, 101-43A, 103-51A, 108-103, 108-104, 116-73, 147-25	(11/16)	SIF2 SCK	69	70	SIF2 CMD	(11/16)	97-61, 101-42A, 103-51B, 108-107, 108-108, 116-74, 147-27
97-62, 101-44A, 103-52A, 108-105, 108-106, 116-75, 147-26	(11/16)	SIF2 RES	71	72	SIF2 RDY	(11/16)	97-63, 101-43B, 103-52B, 108-111, 108-112, 116-77, 147-28
	(11/16)	GND	73	74	SIF2 DM CS	(11/16)	103-53A
101-42B	(11/16)	SIF2 TBC CS	75	76	SIF2 DIF CS	(11/16)	97-65
108-109, 108-110	(11/16)	SIF2 EQ CS	77	78	SIF2 APR CS	(11/16)	116-76
147-24	(11/16)	SIF2 FL CS	79	80	GND	(11/16)	
90-35, 110-81, 113-81, 116-81	(11/16)	SY2 D0 L	81	82	SY2 D1 L	(11/16)	90-36, 110-82, 113-82, 116-82
90-37, 110-83, 113-83, 116-83	(11/16)	SY2 D2 L	83	84	SY2 D3 L	(11/16)	90-38, 110-84, 113-84, 116-84
90-39, 110-85, 113-85, 116-85	(11/16)	SY2 D4 L	85	86	SY2 D5 L	(11/16)	90-40, 110-86, 113-86, 116-86
90-41, 110-87, 113-87, 116-87	(11/16)	SY2 D6 L	87	88	SY2 D7 L	(11/16)	90-42, 110-88, 113-88, 116-88
	(11/16)	GND	89	90	SY2 A0 L	(11/16)	90-45, 110-90, 113-90, 116-90
90-46, 110-91, 113-91, 116-91	(11/16)	SY2 A1 L	91	92	SY2 A2 L	(11/16)	90-47, 110-92, 113-92, 116-92
90-48, 110-93, 113-93, 116-93	(11/16)	SY2 A3 L	93	94	SY2 A4 L	(11/16)	90-49, 110-94, 113-94, 116-94
90-50, 110-95, 113-95, 116-95	(11/16)	SY2 A5 L	95	96	SY2 A6 L	(11/16)	90-51, 110-96, 113-96, 116-96
90-52, 110-97, 113-97, 116-97	(11/16)	SY2 A7 L	97	98	GND	(11/16)	
90-53, 110-99, 113-99, 116-99	(11/16)	SY2 WR L	99	100	SY2 RD L	(11/16)	90-54, 110-100, 113-100, 116-100
90-55, 110-101, 113-101, 116-101	(11/16)	SY2 DIR L	101	102	SY2 STB L	(11/16)	90-56, 110-102, 113-102, 116-102
90-58, 110-105, 113-103, 116-103	(11/16)	SY2 PIORES L	103	104	SY2 DPR118 CS	(11/16)	110-104
116-105	(11/16)	SY2 APR40 CS	105	106	SY2 VPR47 CS	(11/16)	113-106
110-45	(11/16)	L:RX CMD EN	107	108	L:RX TC EN	(11/16)	110-46
110-44	(11/16)	RX FIFO CK	109	110	GND	(11/16)	
110-106	(11/16)	DSP HBCK	111	112	DSP HRS	(11/16)	NC
NC	(11/16)	DSP HXS	113	114	DSP HR	(11/16)	110-108
110-107	(11/16)	DSP HX	115	116	GND	(11/16)	
90-57, 110-103, 113-117, 116-106, 143-8, 146-7, 147-30	(12/16)	SYS RESET5 L	117	118	SYS RESET5 S	(4/16)	97-66, 101-44B, 103-53B, 108-87, 108-88
	(4/16)	GND	119	120	LTC OUT	(12/16)	195-4
140-1	(12/16)	REC LTC	121	122	LTC SOURSE	(12/16)	195-6
140-13	(12/16)	PB LTC	123	124	GND	(12/16)	

SS-83

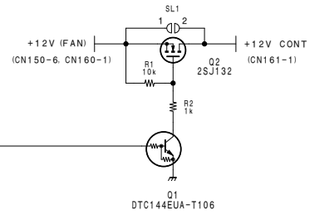
	SS BOARD	CN123				SS BOARD	
	SHEET NO.	SIGNAL NAME			SIGNAL NAME	SHEET NO.	
	(1/16)	GND	1	2	GND	(1/16)	
	(1/16)	+15V	3	4	+15V	(1/16)	
	(1/16)	-15V	5	6	-15V	(1/16)	
146-13	(7/16)	SIF1 EEPROM CS	7	8	SYS POWER CONT	(11/16)	144-11
131-3	(6/16)	COM TX	9	10	COM RX	(6/16)	131-2
131-4	(6/16)	COM DTR	11	12	COM DCD	(6/16)	131-1
131-7	(6/16)	COM RTS	13	14	COM CTS	(6/16)	131-8
131-6	(6/16)	COM DSR	15	16	GND	(6/16)	
132-7, 133-7	(6/16)	RM TX (+)	17	18	RM TX (-)	(6/16)	132-2, 133-2
132-3, 133-3	(6/16)	RM RX (+)	19	20	RM RX (-)	(6/16)	132-8, 133-8
132-5	(6/16)	PRIORITY OUT	21	22	GND	(7/16)	
147-33	(7/16)	SIF1 CK	23	24	SIF1 CMD	(7/16)	146-32
147-31	(7/16)	SIF1 RES	25	26	SIF1 RDY	(7/16)	147-34
147-29	(7/16)	SIF1 FPCS	27	28	SIF1 OP2CS	(7/16)	NC
146-12	(7/16)	SIF1 RMCS	29	30	GND	(7/16)	
113-124	(7/16)	CHARA VD	31	32	CHARA HD	(7/16)	113-123
	(7/16)	GND	33	34	CHARA FRAME (X)	(7/16)	113-110
113-109	(7/16)	CHARA FRAME (G)	35	36	CHARA SIG (X)	(7/16)	113-112
113-111	(7/16)	CHARA SIG (G)	37	38	CHARA CK (X)	(7/16)	113-114
113-113	(7/16)	CHARA CK (G)	39	40	SY1OP SY1 INT	(6/16)	NC
	(7/16)	SY SY1OP INT	41	42	GND	(7/16)	
NC	(7/16)	SY1 D0	43	44	SY1 D1	(7/16)	
	(7/16)	SY1 D2	45	46	SY1 D3	(7/16)	
	(7/16)	SY1 D4	47	48	SY1 D5	(7/16)	
	(7/16)	SY1 D6	49	50	SY1 D7	(7/16)	
	(7/16)	GND	51	52	SY1 A0	(7/16)	
	(7/16)	SY1 A1	53	54	SY1 A2	(7/16)	
	(7/16)	SY1 A3	55	56	SY1 A4	(7/16)	NC
NC	(7/16)	SY1 A5	57	58	SY1 A6	(7/16)	
	(7/16)	SY1 A7	59	60	SY1 A8	(7/16)	
	(7/16)	SY1 A9	61	62	SY1 A10	(7/16)	
	(7/16)	GND	63	64	SY1 WR	(7/16)	
	(7/16)	SY1 RD	65	66	SY1OP CS	(7/16)	
NC	(7/16)	SY1OP WAIT	67	68	SY1 CLK	(7/16)	
	(7/16)	GND	69	70	KEY TX (+)	(6/16)	134-3, 145-5
134-13, 145-7	(6/16)	KEY TX (-)	71	72	KEY RX (+)	(6/16)	134-12, 145-15
134-2, 145-17	(6/16)	KEY RX (-)	73	74	PRIORITY IN	(6/16)	133-5
NC	(7/16)	SIF1 OPCS	75	76	CHARA SIG D (X)	(7/16)	97-120
110-109		DPR SYS JP0	77	78	H:AU FEED SX ENC SEL	(11/16)	110-110
116-51		SS APR JP1	79	80	SS APR JP2		116-52
NC	(6/16)	SY1OP EXCOM TX	81	82	L:SY1OP EXCOM EN	(6/16)	NC
	(6/16)	SY1OP EXCOM RX	83	84	NC		
97-118	(7/16)	CHARA FRM D (X)	85	86	CHARA SIG D (G)	(7/16)	97-119
	(16/16)	GND	87	88	GND	(16/16)	
	(16/16)	GND	89	90	OFFSET	(16/16)	142-3
	(16/16)	GND	91	92	ANALOG SG A	(16/16)	142-1
	(16/16)	GND	93	94	ANALOG SG B	(16/16)	142-2
114-94	(11/16)	VP INT	95	96	GND	(16/16)	
390-1	(16/16)	BIM DRIVE A	97	98	BIM DRIVE B	(16/16)	390-2
101-12A, 102-12B	(14/16)	Y WZ	99	100	C WZ	(14/16)	102-36B
	(6/16)	NC	101	102	H:SV LOCK	(3/16)	102-49B, 104-93
101-20A, 102-20A	(2/16)	SERVO V	103	104	Y PB SYNC	(2/16)	102-42A
101-22A	(15/16)	PB OE	105	106	DT V	(14/16)	101-21A, 104-91
101-24A, 103-10B, 104-92	(3/16)	L:NOISELESS PB	107	108	L:REV/H:FWD	(3/16)	101-23A
91-65		OPT SS JP0	109	110	L:DT	(15/16)	101-25A
101-31A	(3/16)	PB FP2	111	112	PB FP1	(3/16)	101-30A
91-66		OPT SS JP1	113	114	OPT SS JP2		91-67
102-49A, 103-47B	(15/16)	L:C PCM MUTE	115	116	L:Y PCM MUTE	(15/16)	102-48A, 103-46B
		NC	117	118	NC		
	(1/16)	-8V	119	120	-8V	(1/16)	
	(1/16)	+8V	119	120	+8V	(1/16)	
	(1/16)	GND	119	120	GND	(1/16)	

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SS-83

	SS BOARD SHEET NO.	SIGNAL NAME			SIGNAL NAME	SS BOARD SHEET NO.	
			CN124				
	(1/16)	GND	1	2	GND	(1/16)	
	(1/16)	GND	3	4	GND	(1/16)	
	(1/16)	GND	5	6	GND	(1/16)	
	(1/16)	GND	7	8	GND	(1/16)	
	(1/16)	GND	9	10	GND	(1/16)	
	(1/16)	GND	11	12	GND	(1/16)	
	(1/16)	GND	13	14	GND	(1/16)	
	(1/16)	GND	15	16	GND	(1/16)	
	(1/16)	GND	17	18	GND	(1/16)	
	(1/16)	GND	19	20	GND	(1/16)	
	(1/16)	+5.1V	21	22	+5.1V	(1/16)	
	(1/16)	+5.1V	23	24	+5.1V	(1/16)	
	(1/16)	+5.1V	25	26	+5.1V	(1/16)	
	(1/16)	+5.1V	27	28	+5.1V	(1/16)	
	(1/16)	+3.4V	29	30	+3.4V	(1/16)	
	(1/16)	+3.4V	31	32	+3.4V	(1/16)	
	(1/16)	+3.4V	33	34	+3.4V	(1/16)	
	(1/16)	+3.4V	35	36	+3.4V	(1/16)	
	(1/16)	+3.4V	37	38	+3.4V	(1/16)	
	(1/16)	+3.4V	39	40	+3.4V	(1/16)	
390-4	(14/16)	BIM DRIVE SIG A	41	42	BIM DRIVE SIG B	(14/16)	390-5
102-30A, 103-49B, 104-78	(2/16)	ADV C SW PLS	43	44	ADV Y SW PLS	(2/16)	102-18A, 103-48B
103-16B	(2/16)	L;C DO PLS	45	46	L;Y DO PLS	(2/16)	103-16A
103-45B	(3/16)	L;SLOW BID	47	48	H;FAST SEARCH	(3/16)	103-44B
103-45A	(15/16)	L;RF C VBLK	49	50	L;RF Y VBLK	(15/16)	103-44A
103-34A		C RF ENV (G)	51	52	C RF ENV (X)		103-33A
103-32A	(14/16)	Y RF ENV (G)	53	54	Y RF ENV (X)	(14/16)	103-31A
390-3	(14/16)	MODE SW	55	56	SV TAPE SPEED	(2/16)	102-47B, 103-47A
108-79, 108-80	(1/16)	PB ENV (G)	57	58	PB ENV (X)	(1/16)	110-32
108-91, 108-92	(2/16)	CNF SEL	59	60	PB PARITY A	(2/16)	109-51, 109-52
108-67, 108-68	(2/16)	SPEED	61	62	L;REC MODE	(2/16)	112-134
108-63, 108-64	(2/16)	PARITY CLR	63	64	PARITY BIT	(2/16)	108-61, 108-62
109-79, 109-80, 110-35	(2/16)	A3/A7 SEL	65	66	A1/A5 SEL	(2/16)	109-77, 109-78, 110-36
109-83, 109-84, 110-37	(2/16)	A4/A8 SEL	67	68	A2/A6 SEL	(2/16)	109-81, 109-82, 110-38
109-93, 109-94	(2/16)	L;FE EN	69	70	REC SEL	(2/16)	109-95, 109-96, 110-40
			71	72			
144-28	(1/16)	TAPE END	73	74	TAPE BEGIN	(1/16)	144-3
144-29	(2/16)	SWITCHED CTL	75	76	CTL SIG	(2/16)	144-30
144-49	(1/16)	SC RDY	77	78	H;CTL REC	(1/16)	144-4
144-6	(1/16)	REC CTL	79	80	SHAPED LOADING FG	(2/16)	144-31
144-32	(2/16)	CAPSTAN FG (B) NOR	81	82	CAPSTAN FG (A) NOR	(2/16)	144-7
144-33	(2/16)	CAPSTAN FG (B)	83	84	CAPSTAN FG (A)	(2/16)	144-8
144-9	(2/16)	SHAPED S REEL FG B	85	86	SHAPED S REEL FG A	(2/16)	144-34
144-10	(2/16)	SHAPED T REEL FG B	87	88	SHAPED T REEL FG A	(2/16)	144-35
144-36	(2/16)	L;DRUM REC EN	89	90	SYS POWER CONT		
			91	92			
144-37	(2/16)	DRUM PG	93	94	DRUM FG	(2/16)	144-12
		GND	95	96	GND		
144-38	(2/16)	CAPSTAN PWM	97	98	DRUM PWM	(2/16)	144-14
		GND	99	100	LOADING PWM	(2/16)	144-15
144-16	(2/16)	T REEL PWM	101	102	S REEL PWM	(2/16)	144-39
144-18	(3/16)	CTL GAIN	103	104	I/O RESET	(1/16)	144-40
144-42	(3/16)	T REEL DIR	105	106	S REEL DIR	(3/16)	144-41
144-26	(1/16)	SC1	107	108	CAPSTAN DIR		144-43
144-2	(1/16)	SCK	109	110	SC2	(1/16)	144-27
144-19	(3/16)	H;MAG CONT	111	112			
144-45	(2/16)	TENTION SENS CUR	113	114	CAPSTAN CURRENT	(1/16)	144-20
NC	(1/16)	SENSE ANA	115	116	HEATER CUR	(1/16)	NC
144-47	(2/16)	CAPSTAN FG B ANA	117	118	CAPSTAN FG A ANA	(1/16)	144-22
144-48	(1/16)	T TENTION	119	120	S TENTION	(1/16)	144-23
144-50	(2/16)	CAP MOTOR DIR	121	122	XBUSY	(1/16)	144-24
150-5	(1/16)	FAN MOTOR CHECK	123	124	FAN MOTOR CHECK2	(1/16)	160-3
161-3	(1/16)	FAN MOTOR CHECK3	125	126	NC		
		NC	127	128	DRUM FAN	(3/16)	
115-129		VPR SS JP0	129	130	VPR SS JP1		115-130
115-131	(2/16)	SS GOP	131	132	SV REF	(2/16)	115-132
115-133	(2/16)	SS VD	133	134	SS FRAME	(2/16)	115-134
112-135		DPR SV JP0	135	136	NT CTL	(2/16)	112-136
112-137	(2/16)	H;ANA CAS	137	138	OUTER_A BUSY	(2/16)	112-138
112-139	(2/16)	NT PULSE	139	140	OUTER_B BUSY	(2/16)	112-140
112-141	(2/16)	READ START	141	142	CAPSTAN FWD/REV	(2/16)	112-142
112-143	(2/16)	SV BNK0	143	144	SV BNK1	(2/16)	112-144
112-145	(2/16)	SV BNK2	145	146	SV BNK3	(2/16)	112-146
112-147	(2/16)	TRACK START	147	148	SECTOR START	(2/16)	112-148



Motherboard, Remote control connectors
(REMOTE1 (9P), RS-232C, VIDEO CONTROL, CONTROL PANEL)

MB-818 (7/13)

BOARD NO. 1-670-599-11
LOT NO. 804- (MB-818: For DNW-A75/A75P)
LOT NO. 807- (MB-818C: For DNW-A65/A65P)
LOT NO. 905- (MB-818E: For DNW-75/75P)
LOT NO. 905- (MB-818F: For DNW-65/65P)

B-¥DNWA75-MB818-11@/M

MB-818 BOARD		CONNECTION
SHEET No.	REF No.	
(11/13)	CN90 CN91 CN92	DPR-130 (CN90) (CN91) (CN92)
(5/13)	CN97 CN98	SDI-41 (CN97) (CN98)
(6/13)	CN99 CN100	DEC-110 (CN99) For DNW-A75/A75P/75/75P (CN100) (DNW-A65/A65P/65/65P : , NM)
(1/13)	CN101	TBC-23A (CN101) For DNW-A75/A75P/A65/A65P (DNW-75/75P/65/65P : , NM)
	CN102	TBC-24 (CN102) For DNW-A75/A75P/A65/A65P (DNW-75/75P/65/65P : , NM)
(2/13)	CN103	DM-89 (CN103) For DNW-A75/A75P/A65/A65P (DNW-75/75P/65/65P : , NM)
(3/13)	CN104 CN105	AU-260 (CN104) For DNW-A75/A75P/A65/A65P (CN105) (DNW-75/75P/65/65P : , NM)
(4/13)	CN108 CN109	EQ-75 (CN108) (CN109)
(10/13)	CN110 CN111 CN112	DPR-118 (CN110) (CN111) (CN112)
(8/13)	CN113 CN114 CN115	VPR-47 (CN113) (CN114) (CN115)
(9/13)	CN116 CN117 CN118	APR-40 (CN116) (CN117) (CN118)
(7/13)	CN122 CN123 CN124	SS-83 (CN122) (CN123) (CN124)
(12/13)	CN130	(VIDEO CONTROL connector)
	CN131	(RS-232C connector)
	CN132	(REMOTE-1 OUT (9P) connector)
	CN133	(REMOTE-1 IN (9P) connector)
	CN134	(CONTROL PANEL connector)
(13/13)	CN140	TC-102 (CN140)
	CN141	DT-34D (CN390) For DNW-A75/A75P/A65/A65P (DNW-75/75P/65/65P : , NM)
	CN142	SE-461 (CN4) For DNW-A75/A75P/A65/A65P (DNW-75/75P/65/65P : , NM)
	CN143	———
	CN144	MS-58 (CN2)
	CN145	KY-438 (CN145)
(12/13)	CN146	RM-179 (CN146)
	CN147	FP-117 (CN147)
(13/13)	CN150 CN151 CN152 CN153	POWER SUPPLY UNIT (CN254) (CN252) (CN252) (CN252)
	CN154	MS-58 (CN1)
	CN160	REAR FAN
	CN161	MD FAN
	CN162	———
	CN170 CN171 CN172	CP-334 (CN170) (CN171) (CN172)
	CN189	VR-223 (CN512)
(12/13)	CN190 CN192 CN193	CP-278 (CN191) (CN192) (CN193)
	CN194 CN195	CP-301 (CN194) (CN195)
	CN196 CN197	CP-335 (CN196) (CN197)
	CN198 CN199	MB-818 (CN199) (CN198)

VPR-47

CN113

	VPR BOARD SHEET NO.	SIGNAL NAME			SIGNAL NAME	VPR BOARD SHEET NO.	
	(10/10)	GND	1	2	GND	(10/10)	
170-12	(6/10)	VIDEO1 OUT (G)	3	4	VIDEO1 OUT (X)	(6/10)	170-13
170-10	(6/10)	VIDEO2 OUT (G)	5	6	VIDEO2 OUT (X)	(6/10)	170-11
170-8	(6/10)	VIDEO3 OUT (G)	7	8	VIDEO3 OUT (X)	(6/10)	170-9
	(10/10)	GND	9	10	GND	(10/10)	
170-6	(5/10)	Y OUT (G)	11	12	Y OUT (X)	(5/10)	170-7
170-4	(5/10)	R-Y OUT (G)	13	14	R-Y OUT (X)	(5/10)	170-5
170-2	(5/10)	B-Y OUT (G)	15	16	B-Y OUT (X)	(5/10)	170-3
	(10/10)	GND	17	18	GND	(10/10)	
171-13	(7/10)	REF INPUT (G)	19	20	REF INPUT (X)	(7/10)	171-14
	(10/10)	GND	21	22	CP VPR JP	(10/10)	170-1
101-46B	(6/10)	VISC Y (G)	23	24	VISC Y (X)	(6/10)	101-45B
	(10/10)	GND	25	26	GND	(10/10)	
	(10/10)	GND	27	28	GND	(10/10)	
97-95	(4/10)	PB DATA0	29	30	PB DATA1	(4/10)	97-96
97-98	(4/10)	PB DATA2	31	32	PB DATA3	(4/10)	97-99
97-100	(4/10)	PB DATA4	33	34	PB DATA5	(4/10)	97-102
97-103	(4/10)	PB DATA6	35	36	PB DATA7	(4/10)	97-104
97-106	(4/10)	PB DATA8	37	38	PB DATA9	(4/10)	97-107
97-108	(4/10)	PB HD	39	40	PB CF0	(4/10)	97-110
97-111	(4/10)	PB CF INFO	41	42	PB CF2	(4/10)	97-112
97-113	(4/10)	PB PARITY	43	44	PB DLY PLS	(4/10)	97-114
101-49A	(10/10)	TBC GND	45	46	PB DATA GND	(4/10)	97-94
101-49B	(3/10)	B-CAM DATA0	47	48	B-CAM DATA1	(3/10)	101-50A
101-50B	(3/10)	B-CAM DATA2	49	50	B-CAM DATA3	(3/10)	101-51A
101-51B	(3/10)	B-CAM DATA4	51	52	B-CAM DATA5	(3/10)	101-52A
101-52B	(3/10)	B-CAM DATA6	53	54	B-CAM DATA7	(3/10)	101-53A
101-53B	(3/10)	B-CAM DATA8	55	56	B-CAM DATA9	(3/10)	101-54A
101-55B	(3/10)	B-CAM HD	57	58	B-CAM VD	(3/10)	101-55A
101-29A	(3/10)	B-CAM CF INFO	59	60	B-CAM PARITY	(3/10)	101-54B
	(10/10)	GND	61	62	SIF3 CMD	(10/10)	122-63
122-62	(10/10)	SIF3 SCK	63	64	SIF3 RES	(10/10)	122-64
122-65	(10/10)	SIF3 START	65	66	GND	(10/10)	
	(10/10)	GND	67	68	GND	(10/10)	
102-47A	(10/10)	TBC VPR JP2	69	70	TBC VPR JP1	(10/10)	102-46A
101-18A	(4/10)	H SHIFT	71	72	B-CAM CF	(4/10)	101-48B
101-48A	(4/10)	TBC 4FSC (G)	73	74	TBC 4FSC (X)	(4/10)	101-47A
	(10/10)	GND	75	76	GND	(10/10)	
101-32A	(4/10)	V SHIFT	77	78	PB VD	(4/10)	97-115
	(10/10)	GND	79	80	GND	(10/10)	
122-81	(10/10)	SY2 D0 L	81	82	SY2 D1 L	(10/10)	122-82
122-83	(10/10)	SY2 D2 L	83	84	SY2 D3 L	(10/10)	122-84
122-85	(10/10)	SY2 D4 L	85	86	SY2 D5 L	(10/10)	122-86
122-87	(10/10)	SY2 D6 L	87	88	SY2 D7 L	(10/10)	122-88
	(10/10)	GND	89	90	SY2 A0 L	(10/10)	122-90
122-91	(10/10)	SY2 A1 L	91	92	SY2 A2 L	(10/10)	122-92
122-93	(10/10)	SY2 A3 L	93	94	SY2 A4 L	(10/10)	122-94
122-95	(10/10)	SY2 A5 L	95	96	SY2 A6 L	(10/10)	122-96
122-97	(10/10)	SY2 A7 L	97	98	GND	(10/10)	
122-99	(10/10)	SY2 WR L	99	100	SY2 RD L	(10/10)	122-100
122-101	(10/10)	SY2 DIR L	101	102	SY2 STB L	(10/10)	122-102
122-103	(10/10)	SY2 PIORES L	103	104	GND	(10/10)	
	(10/10)	GND	105	106	SY2 VPR47 CS	(10/10)	122-106
			107	108			
123-35	(6/10)	CHARA FRAME (G)	109	110	CHARA FRAME (X)	(6/10)	123-34
123-37	(6/10)	CHARA SIG (G)	111	112	CHARA SIG (X)	(6/10)	123-36
123-39	(4/10)	CHARA CK (G)	113	114	CHARA CK (X)	(4/10)	123-38
171-8	(10/10)	REF CONT0	115	116	REF CONT1	(10/10)	171-7
122-117	(10/10)	SYS RESET5 L	117	118			
			119	120			
			121	122			
123-32	(10/10)	CHARA HD	123	124	CHARA VD	(10/10)	123-31

VPR-47

CN114

	VPR BOARD SHEET NO.	SIGNAL NAME			SIGNAL NAME	VPR BOARD SHEET NO.	
	(10/10)	GND	1	2	GND	(10/10)	
		+15V	3	4	+15V		
		-15V	5	6	-15V		
	(10/10)	GND	7	8	GND	(10/10)	
110-113	(1/10)	DEC VIDEO0	9	10	DEC VIDEO1	(1/10)	110-114
110-115	(1/10)	DEC VIDEO2	11	12	SDI VPR JP0	(10/10)	98-61
110-116	(1/10)	DEC VIDEO3	13	14	DEC VIDEO4	(1/10)	110-117
110-118	(1/10)	DEC VIDEO5	15	16	CRUSH CF	(8/10)	97-83
110-119	(1/10)	DEC VIDEO6	17	18	DEC VIDEO7	(1/10)	110-120
110-121	(1/10)	DEC VIDEO HD	19	20	SDI VPR JP2	(10/10)	98-69
110-122	(1/10)	DEC VIDEO VD	21	22	DEC VIDEO CF1	(1/10)	110-123
110-124	(1/10)	DEC VIDEO PARITY	23	24	GND	(10/10)	
	(10/10)	GND	25	26	GND	(10/10)	
			27	28	SDI VPR JP3	(10/10)	98-73
90-109	(1/10)	DEC2 VIDEO0	29	30	DEC2 VIDEO1	(1/10)	90-110
90-111	(1/10)	DEC2 VIDEO2	31	32	OPT VPR JP0		90-112
90-113	(1/10)	DEC2 VIDEO3	33	34	DEC2 VIDEO4	(1/10)	90-114
90-115	(1/10)	DEC2 VIDEO5	35	36	OPT VPR JP1		90-116
90-117	(1/10)	DEC2 VIDEO6	37	38	DEC2 VIDEO7	(1/10)	90-118
90-119	(1/10)	DEC2 VIDEO HD	39	40	OPT VPR JP2		90-120
90-121	(1/10)	DEC2 VIDEO VD	41	42	DEC2 VIDEO CF1	(1/10)	90-122
90-123	(1/10)	DEC2 VIDEO PARITY	43	44	OPT VPR JP3	(10/10)	90-124
	(10/10)	GND	45	46	REC/EE DATA0	(3/10)	98-59
98-60	(3/10)	REC/EE DATA1	47	48	REC/EE DATA2	(3/10)	98-62
116-121	(10/10)	APR/VPR JP0	49	50	REC/EE DATA3	(3/10)	98-63
98-64	(3/10)	REC/EE DATA4	51	52	REC/EE DATA5	(3/10)	98-66
116-122	(10/10)	APR/VPR JP1	53	54	REC/EE DATA6	(3/10)	98-67
98-68	(3/10)	REC/EE DATA7	55	56	REC/EE DATA8	(3/10)	98-70
NC	(10/10)	APR/VPR JP2	57	58	REC/EE DATA9	(3/10)	98-71
98-72	(3/10)	REC/EE HD	59	60	REC/EE VD	(3/10)	98-74
NC	(10/10)	APR/VPR JP3	61	62	REC/EE CF INFO	(3/10)	98-75
98-76	(3/10)	REC/EE PARITY	63	64	REC/EE DATA GND		98-77, 98-78
	(10/10)	GND	65	66	(GND)	(10/10)	
112-77	(4/10)	ENC VIDEO0	67	68	GND	(10/10)	
112-78	(4/10)	ENC VIDEO1	69	70	ENC VIDEO2	(4/10)	112-79
112-80	(4/10)	ENC VIDEO3	71	72			
112-81	(4/10)	ENC VIDEO4	73	74	ENC VIDEO5	(4/10)	112-82
112-83	(4/10)	ENC VIDEO6	75	76			
112-84	(4/10)	ENC VIDEO7	77	78	ENC VIDEO8	(4/10)	112-85
112-86	(4/10)	ENC VIDEO9	79	80			
112-87	(4/10)	ENC VIDEO HD	81	82	ENC VIDEO VD	(4/10)	112-88
112-89	(4/10)	ENC VIDEO CF1	83	84			
112-90	(4/10)	ENC VIDEO PARITY	85	86	DPR VPR JP0		112-91
112-92	(10/10)	DPR VPR JP1	87	88			
110-53	(10/10)	DPR VPR JP2	89	90	DPR VPR JP3	(10/10)	110-54
112-132	(4/10)	EDEC FRAME	91	92	GND	(10/10)	
			93	94	VP INT	(3/10)	123-95
91-95	(8/10)	OPT ENC AU VD	95	96	NON STD LOCK	(8/10)	97-86
91-97	(8/10)	OPT DEC AU VD	97	98	ENC AUDIO VD	(8/10)	112-125
112-126	(8/10)	DPR DEC AU VD	99	100	DEC AUDIO HD	(8/10)	112-124
112-128	(8/10)	DEC AUDIO FRAME	101	102	DEC AUDIO VD	(8/10)	116-107
92-128	(8/10)	OPT DEC AU FRAME	103	104			
91-105	(1/10)	CC VIDEO0	105	106	CC VIDEO1	(1/10)	91-106
91-107	(1/10)	CC VIDEO2	107	108	CC VIDEO3	(1/10)	91-108
91-109	(1/10)	CC VIDEO4	109	110	CC VIDEO5	(1/10)	91-110
91-111	(1/10)	CC VIDEO6	111	112	CC VIDEO7	(1/10)	91-112
91-113	(1/10)	CC VIDEO EN	113	114	EQ GOP	(8/10)	108-65, 108-66
	(10/10)	GND	115	116	GND	(10/10)	
	(10/10)	GND	117	118	GND	(10/10)	
	(10/10)	-8V	119	120	-8V	(10/10)	
	(10/10)	+8V	121	122	+8V	(10/10)	
	(10/10)	GND	123	124	GND	(10/10)	

VPR-47

	VPR BOARD SHEET NO.	SIGNAL NAME	CN115		SIGNAL NAME	VPR BOARD SHEET NO.	
	(10/10)	GND	1	2	GND	(10/10)	
	(10/10)	GND	3	4	GND	(10/10)	
	(10/10)	GND	5	6	GND	(10/10)	
	(10/10)	GND	7	8	GND	(10/10)	
	(10/10)	GND	9	10	GND	(10/10)	
	(10/10)	GND	11	12	GND	(10/10)	
	(10/10)	GND	13	14	GND	(10/10)	
	(10/10)	GND	15	16	GND	(10/10)	
	(10/10)	GND	17	18	GND	(10/10)	
	(10/10)	GND	19	20	GND	(10/10)	
	(10/10)	+5.1V	21	22	+5.1V	(10/10)	
	(10/10)	+5.1V	23	24	+5.1V	(10/10)	
	(10/10)	+5.1V	25	26	+5.1V	(10/10)	
	(10/10)	+5.1V	27	28	+5.1V	(10/10)	
	(10/10)	+3.4V	29	30	+3.4V	(10/10)	
	(10/10)	+3.4V	31	32	+3.4V	(10/10)	
	(10/10)	+3.4V	33	34	+3.4V	(10/10)	
	(10/10)	+3.4V	35	36	+3.4V	(10/10)	
	(10/10)	+3.4V	37	38	+3.4V	(10/10)	
	(10/10)	+3.4V	39	40	+3.4V	(10/10)	
			41	42			
			43	44	SDI CK (X)	(9/10)	97-124
101-56B	(9/10)	TBC CK (G)	45	46	TBC CK (X)	(9/10)	101-56A
104-63	(9/10)	AFM CK (X)	47	48	AFM CK (G)	(9/10)	104-64
112-75	(9/10)	DPR CK (X)	49	50	DPR CK (G)	(9/10)	112-76
92-68	(9/10)	OPT CK (X)	51	52	OPT CK (G)	(9/10)	92-67
97-123	(9/10)	SDI CK (G)	53	54	GND	(10/10)	
	(9/10)	SDI AU FSO (G)	55	56	SDI AU FSO (X)	(9/10)	98-30
	(9/10)	SDI AU 64FSO (G)	57	58	SDI AU 64FSO (X)	(9/10)	98-28
98-26	(9/10)	SDI AU 128FSO (G)	59	60	SDI AU 128FSO (X)	(9/10)	98-24
	(10/10)	GND	61	62	GND	(10/10)	
92-63	(9/10)	OPT 256FS (G)	63	64	OPT 256FS (X)	(9/10)	92-64
			65	66			
			67	68			
		NC	69	70	NC		
		NC	71	72	NC		
92-66	(9/10)	OPT FS (G)	73	74	OPT FS (X)	(9/10)	92-65
	(10/10)	GND	75	76	NC		
	(10/10)	GND	77	78	NC	(10/10)	
112-99	(9/10)	DPR 512FS (X)	79	80	DPR 512FS (G)	(9/10)	112-100
112-101	(9/10)	DPR 256FS (X)	81	82	DPR 256FS (G)	(9/10)	112-102
112-103	(9/10)	DPR 64FS (X)	83	84	DPR 64FS (G)	(9/10)	112-104
112-105	(9/10)	DPR 32FS (X)	85	86	DPR 32FS (G)	(9/10)	112-106
112-107	(9/10)	DPR FS (X)	87	88	DPR FS (G)	(9/10)	112-108
92-109, 112-109	(8/10)	REC AU ID0	89	90	REC AU ID1	(8/10)	92-110, 112-110
92-111, 112-111	(8/10)	REC AU ID2	91	92	GND	(10/10)	
	(10/10)	GND	93	94	GND	(10/10)	
116-111	(9/10)	APR 512FS (X)	95	96	APR 512FS (G)	(9/10)	116-112
116-113	(9/10)	APR 256FS (X)	97	98	APR 256FS (G)	(9/10)	116-114
116-115	(9/10)	APR 128FS (X)	99	100	APR 128FS (G)	(9/10)	116-116
116-117	(9/10)	APR 64FS (X)	101	102	APR 64FS (G)	(9/10)	116-118
		NC	103	104	NC		
116-119	(9/10)	APR FS (X)	105	106	APR FS (G)	(9/10)	116-120
92-130	(9/10)	OPT PACK HD	107	108	SDI ADV CF	(9/10)	97-76
92-131	(9/10)	OPT PACK FRAME	109	110	TBC VD2	(9/10)	102-44A
116-108	(8/10)	AES FRAME	111	112	TBC VD	(9/10)	101-45A
112-127	(9/10)	ENC FRAME	113	114	ANA OE	(9/10)	101-47B
92-129	(9/10)	OPT PACK VD	115	116	TBC HD	(9/10)	101-46A
112-130	(9/10)	PACK HD	117	118	PACK VD	(9/10)	112-129
112-131	(9/10)	PACK FRAME	119	120	SDI REC VD	(9/10)	97-75
			121	122	SX DEC PB VD	(9/10)	112-93
104-69	(9/10)	AFM OE	123	124	INPUT V START	(9/10)	97-84
112-121	(9/10)	DPACK HD	125	126	DPACK VD	(9/10)	112-122
112-123	(9/10)	DPACK CFI	127	128	INPUT CF2	(9/10)	97-82
124-129	(10/10)	VPR SS JP0	129	130	VPR SS JP1	(10/10)	124-130
124-131	(9/10)	SS GOP	131	132	SV REF	(9/10)	124-132
124-133	(9/10)	SS VD	133	134	SS FRAME	(9/10)	124-134
112-132	(9/10)	DEC FRAME	135	136	INPUT CF1	(9/10)	97-80
116-109	(8/10)	AU PLL LOCK	137	138	DPR ADV CF	(9/10)	112-133
92-121	(9/10)	OPT DPACK HD	139	140	INPUT CF0	(9/10)	97-79
92-122	(9/10)	OPT DPACK VD	141	142	OPT DPACK CFI	(9/10)	92-123
112-94	(7/10)	SDDI IN H	143	144	SDI IN REF HD	(7/10)	97-87
112-95	(7/10)	SDDI IN V	145	146	SDI IN REF VD	(7/10)	97-88
112-96	(7/10)	SDDI IN F	147	148	SDI IN REF EFLAG	(7/10)	97-90

Motherboard, Remote control connectors
(REMOTE1 (9P), RS-232C, VIDEO CONTROL, CONTROL PANEL)

MB-818 (8/13)

BOARD NO. 1-670-599-11
LOT NO. 804- (MB-818: For DNW-A75/A75P)
LOT NO. 807- (MB-818C: For DNW-A65/A65P)
LOT NO. 905- (MB-818E: For DNW-75/75P)
LOT NO. 905- (MB-818F: For DNW-65/65P)

B-¥DNWA75-MB818-11@/M

MB-818 BOARD		CONNECTION	
SHEET No.	REF No.		
(11/13)	CN90 CN91 CN92	DPR-130	(CN90) (CN91) (CN92)
(5/13)	CN97 CN98	SDI-41	(CN97) (CN98)
(6/13)	CN99 CN100	DEC-110 For DNW-A75/A75P/75/75P (DNW-A65/A65P/65/65P : , NM)	(CN99) (CN100)
(1/13)	CN101	TBC-23A For DNW-A75/A75P/A65/A65P (DNW-75/75P/65/65P : , NM)	(CN101)
	CN102	TBC-24 For DNW-A75/A75P/A65/A65P (DNW-75/75P/65/65P : , NM)	(CN102)
(2/13)	CN103	DM-89 For DNW-A75/A75P/A65/A65P (DNW-75/75P/65/65P : , NM)	(CN103)
(3/13)	CN104 CN105	AU-260 For DNW-A75/A75P/A65/A65P (DNW-75/75P/65/65P : , NM)	(CN104) (CN105)
(4/13)	CN108 CN109	EQ-75	(CN108) (CN109)
(10/13)	CN110 CN111 CN112	DPR-118	(CN110) (CN111) (CN112)
(8/13)	CN113 CN114 CN115	VPR-47	(CN113) (CN114) (CN115)
(9/13)	CN116 CN117 CN118	APR-40	(CN116) (CN117) (CN118)
(7/13)	CN122 CN123 CN124	SS-83	(CN122) (CN123) (CN124)
(12/13)	CN130	(VIDEO CONTROL connector)	
	CN131	(RS-232C connector)	
	CN132	(REMOTE-1 OUT (9P) connector)	
	CN133	(REMOTE-1 IN (9P) connector)	
	CN134	(CONTROL PANEL connector)	
(13/13)	CN140	TC-102	(CN140)
	CN141	DT-34D For DNW-A75/A75P/A65/A65P (DNW-75/75P/65/65P : , NM)	(CN390)
	CN142	SE-461 For DNW-A75/A75P/A65/A65P (DNW-75/75P/65/65P : , NM)	(CN4)
	CN143	———	
	CN144	MS-58	(CN2)
	CN145	KY-438	(CN145)
(12/13)	CN146	RM-179	(CN146)
	CN147	FP-117	(CN147)
(13/13)	CN150 CN151 CN152 CN153	POWER SUPPLY UNIT	(CN254) (CN252) (CN252) (CN252)
	CN154	MS-58	(CN1)
	CN160	REAR FAN	
	CN161	MD FAN	
	CN162	———	
(12/13)	CN170 CN171 CN172	CP-334	(CN170) (CN171) (CN172)
	CN189	VR-223	(CN512)
	CN190 CN192 CN193	CP-278	(CN191) (CN192) (CN193)
	CN194 CN195	CP-301	(CN194) (CN195)
	CN196 CN197	CP-335	(CN196) (CN197)
	CN198 CN199	MB-818	(CN199) (CN198)

APR-40

CN116

	APR BOARD SHEET NO.	SIGNAL NAME			SIGNAL NAME	APR BOARD SHEET NO.	
	(7/9)	GND	1	2	GND	(7/9)	
	(7/9)	GND	3	4	GND	(7/9)	
197-8	(7/9)	I AES 1/2 (X)	5	6	I AES 1/2 (G)	(7/9)	197-9
196-6	(7/9)	I AES 3/4 (X)	7	8	I AES 3/4 (G)	(7/9)	197-7
196-1	(7/9)	O AES 1/2 (X)	9	10	O AES 1/2 (G)	(7/9)	196-2
196-3	(7/9)	O AES 3/4 (X)	11	12	O AES 3/4 (G)	(7/9)	196-4
			13	14			
98-23	(7/9)	SDI AU MUTE1	15	16	SDI AU MUTE2	(7/9)	98-25
98-27	(7/9)	SDI AU MUTE3	17	18	SDI AU MUTE4	(7/9)	98-29
98-18	(7/9)	SDI AU R 1/2	19	20	SDI AU R 3/4	(7/9)	98-20
97-70	(7/9)	SDI AU T 1/2	21	22	SDI AU T 3/4	(7/9)	97-72
			23	24			
104-44	(9/9)	H:NR ON	25	26	H:ATT ON	(9/9)	104-46
104-45	(9/9)	H:B PB MUTE	27	28	H:METAL/L:OXIDE	(9/9)	104-43
104-47	(9/9)	H:SLOW EQ ON	29	30	H:DIGITAL/L:ANALOG	(9/9)	104-71
104-53	(7/9)	AU/APR JP0	31	32	AU/APR JP1	(7/9)	104-54
104-55	(7/9)	AU/APR JP2	33	34	AU/APR JP3	(7/9)	104-56
104-57	(7/9)	AU/APR JP4	35	36	AU/APR JP5	(7/9)	104-58
140-9	(9/9)	H:REC MODE	37	38	H:LTC HPF ON	(9/9)	140-14
140-3	(9/9)	L:LTC EQ NORM	39	40	LTC H:PB/L:REC	(9/9)	104-48, 140-2
140-10	(9/9)	H:FULL ERASE ON	41	42	H:LTC ERASE ON	(9/9)	140-21
140-15	(9/9)	L:LTC REC GAIN U	43	44	L:LTC PB GAIN U	(9/9)	140-4
195-5	(9/9)	L:LTC EQ ON	45	46			
			47	48			
			49	50			
123-79	(7/9)	SS APR JP1	51	52	SS APR JP2	(7/9)	123-80
NC	(9/9)	LDAC OUT	53	54	SS APR JP0	(7/9)	122-66
			55	56			
112-113	(7/9)	ENC 1/2	57	58	ENC 3/4	(7/9)	112-114
112-115	(7/9)	VAR AU 1/2	59	60	VAR AU 3/4	(7/9)	112-116
112-117	(7/9)	DPR APR JP0	61	62	DPR APR JP1	(7/9)	112-118
112-119	(7/9)	DPR APR JP2	63	64	DPR APR JP3	(7/9)	112-120
90-63		OPT APR JP0	65	66	OPT APR JP1		90-64
122-62	(9/9)	SIF3 SCK	67	68	SIF3 CMD	(9/9)	122-63
122-64	(9/9)	SIF3 RES	69	70	SIF3 START	(9/9)	122-65
90-61	(7/9)	PP AU 1/2	71	72	PP AU 3/4	(7/9)	90-62
122-69	(9/9)	SIF2 SCK	73	74	SIF2 CMD	(9/9)	122-70
122-71	(9/9)	SIF2 RES	75	76	SIF2 APR CS	(9/9)	122-78
122-72	(9/9)	SIF2 RDY	77	78			
122-33	(9/9)	SY2 A8 L	79	80	SY2 A9 L	(9/9)	122-34
122-81	(9/9)	SY2 D0 L	81	82	SY2 D1 L	(9/9)	122-82
122-83	(9/9)	SY2 D2 L	83	84	SY2 D3 L	(9/9)	122-84
122-85	(9/9)	SY2 D4 L	85	86	SY2 D5 L	(9/9)	122-86
122-87	(9/9)	SY2 D6 L	87	88	SY2 D7 L	(9/9)	122-88
			89	90	SY2 A0 L	(9/9)	122-90
122-91	(9/9)	SY2 A1 L	91	92	SY2 A2 L	(9/9)	122-92
122-93	(9/9)	SY2 A3 L	93	94	SY2 A4 L	(9/9)	122-94
122-95	(9/9)	SY2 A5 L	95	96	SY2 A6 L	(9/9)	122-96
122-97	(9/9)	SY2 A7 L	97	98			
122-99	(9/9)	SY2 WR L	99	100	SY2 RD L	(9/9)	122-100
122-101	(9/9)	SY2 DIR L	101	102	SY2 STB L		122-102
122-103	(9/9)	SY2 PIORES L	103	104			
122-105	(9/9)	SY2 APR40 CS	105	106	SYS RESET5 L	(9/9)	122-117
114-102	(7/9)	DEC AUDIO VD	107	108	AES FRAME	(7/9)	115-111
115-137	(7/9)	AU PLL LOCK	109	110	ERASE CLK		140-8
115-95	(7/9)	APR 512FS (X)	111	112	APR 512FS (G)	(7/9)	115-96
115-97	(7/9)	APR 256FS (X)	113	114	APR 256FS (G)	(7/9)	115-98
115-99	(7/9)	APR 128FS (X)	115	116	APR 128FS (G)	(7/9)	115-100
115-101	(7/9)	APR 64FS (X)	117	118	APR 64FS (G)	(7/9)	115-102
115-105	(7/9)	APR FS (X)	119	120	APR FS (G)	(7/9)	115-106
114-49	(7/9)	APR/VPR JP0	121	122	APR/VPR JP1	(7/9)	114-53
	(7/9)	GND	123	124	GND	(7/9)	

APR-40

CN117

	APR BOARD SHEET NO.	SIGNAL NAME			SIGNAL NAME	APR BOARD SHEET NO.	
	(7/9)	GND	1	2	GND	(7/9)	
	(7/9)	+15V	3	4	+15V	(7/9)	
	(7/9)	-15V	5	6	-15V	(7/9)	
	(7/9)	GND	7	8	GND	(7/9)	
	(7/9)	GND	9	10	GND	(7/9)	
	(7/9)	GND	11	12	GND	(7/9)	
	(7/9)	GND	13	14	GND	(7/9)	
104-37	(9/9)	POWER ON MUTE1	15	16	POWER ON MUTE2	(9/9)	140-20, 147-23
			17	18			
			19	20			
			21	22			
			23	24			
			25	26			
			27	28			
			29	30			
			31	32			
			33	34			
			35	36			
			37	38			
			39	40			
			41	42			
			43	44			
			45	46			
			47	48			
			49	50			
			51	52			
			53	54			
			55	56			
			57	58			
			59	60			
			61	62			
			63	64			
			65	66			
			67	68			
193-1	(1/9)	CH1 MIC ON/OFF	69	70	CH2 MIC ON/OFF	(1/9)	193-2
193-3	(2/9)	CH3 MIC ON/OFF	71	72	CH4 MIC ON/OFF	(2/9)	193-4
		NC	73	74	NC		
189-8	(5/9)	HP R VAR (G)	75	76	HP R VAR (G)	(5/9)	189-8
189-7	(5/9)	HP R VAR (X)	77	78	HP R VAR (X)	(5/9)	189-7
189-6	(5/9)	HP R (G)	79	80	HP R (G)	(5/9)	189-6
189-5	(5/9)	HP R (X)	81	82	HP R (X)	(5/9)	189-5
189-4	(5/9)	HP L VAR (G)	83	84	HP L VAR (G)	(5/9)	189-4
189-3	(5/9)	HP L VAR (X)	85	86	HP L VAR (X)	(5/9)	189-3
189-2	(5/9)	HP L (G)	87	88	HP L (G)	(5/9)	189-2
189-1	(5/9)	HP L (X)	89	90	HP L (X)	(5/9)	189-1
			91	92			
			93	94			
			95	96			
NC	(5/9)	SP MONITOR R (X)	97	98	SP MONITOR R (X)	(5/9)	NC
	(5/9)	SP MONITOR R (G)	99	100	SP MONITOR R (G)	(5/9)	
	(5/9)	SP MONITER L (X)	101	102	SP MONITOR L (X)	(5/9)	
	(5/9)	SP MONITOR L (G)	103	104	SP MONITOR L (G)	(5/9)	
			105	106			
194-1	(5/9)	MONITOR R OUT (X)	107	108	MONITOR R OUT (Y)	(5/9)	194-2
194-3	(5/9)	MONITOR R OUT (G)	109	110	MONITOR R OUT (G)	(5/9)	194-3
194-4	(5/9)	MONITOR L OUT (X)	111	112	MONITOR L OUT (Y)	(5/9)	194-5
194-6	(5/9)	MONITOR L OUT (G)	113	114	MONITOR L OUT (G)	(5/9)	194-6
	(7/9)	GND	115	116	GND	(7/9)	
	(7/9)	GND	117	118	GND	(7/9)	
	(7/9)	-8V	119	120	-8V	(7/9)	
	(7/9)	+8V	121	122	+8V	(7/9)	
	(7/9)	GND	123	124	GND	(7/9)	

APR-40

	APR BOARD SHEET NO.	SIGNAL NAME			SIGNAL NAME	APR BOARD SHEET NO.	
			CN118				
	(7/9)	GND	1	2	GND	(7/9)	
	(7/9)	GND	3	4	GND	(7/9)	
	(7/9)	GND	5	6	GND	(7/9)	
	(7/9)	GND	7	8	GND	(7/9)	
	(7/9)	GND	9	10	GND	(7/9)	
	(7/9)	GND	11	12	GND	(7/9)	
	(7/9)	GND	13	14	GND	(7/9)	
	(7/9)	GND	15	16	GND	(7/9)	
	(7/9)	GND	17	18	GND	(7/9)	
	(7/9)	GND	19	20	GND	(7/9)	
	(7/9)	+5.1V	21	22	+5.1V	(7/9)	
	(7/9)	+5.1V	23	24	+5.1V	(7/9)	
	(7/9)	+5.1V	25	26	+5.1V	(7/9)	
	(7/9)	+5.1V	27	28	+5.1V	(7/9)	
	(7/9)	+3.4V	29	30	+3.4V	(7/9)	
	(7/9)	+3.4V	31	32	+3.4V	(7/9)	
	(7/9)	+3.4V	33	34	+3.4V	(7/9)	
	(7/9)	+3.4V	35	36	+3.4V	(7/9)	
	(7/9)	+3.4V	37	38	+3.4V	(7/9)	
	(7/9)	+3.4V	39	40	+3.4V	(7/9)	
		+2.5V	41	42	+2.5V		
		+2.5V	43	44	+2.5V		
		GND	45	46	GND		
192-12	(4/9)	CH4 OUT (G)	47	48	CH4 OUT (G)	(4/9)	192-12
192-10	(4/9)	CH4 OUT (X)	49	50	CH4 OUT (Y)	(4/9)	192-11
192-9	(4/9)	CH3 OUT (G)	51	52	CH3 OUT (G)	(4/9)	192-9
192-7	(4/9)	CH3 OUT (X)	53	54	CH3 OUT (Y)	(4/9)	192-8
192-6	(3/9)	CH2 OUT (G)	55	56	CH2 OUT (G)	(3/9)	192-6
192-4	(3/9)	CH2 OUT (X)	57	58	CH2 OUT (Y)	(3/9)	192-5
192-3	(3/9)	CH1 OUT (G)	59	60	CH1 OUT (G)	(3/9)	192-3
192-1	(3/9)	CH1 OUT (X)	61	62	CH1 OUT (Y)	(3/9)	192-2
			63	64			
			65	66			
NC	(4/9)	SP CH4 REC (X)	67	68	SP CH4 REC (X)	(4/9)	NC
	(4/9)	SP CH4 REC (G)	69	70	SP CH4 REC (G)	(4/9)	
	(4/9)	SP CH3 REC (X)	71	72	SP CH3 REC (X)	(4/9)	
	(4/9)	SP CH3 REC (G)	73	74	SP CH3 REC (G)	(4/9)	
	(3/9)	SP CH2 REC (X)	75	76	SP CH2 REC (X)	(3/9)	
	(3/9)	SP CH2 REC (G)	77	78	SP CH2 REC (G)	(3/9)	
	(3/9)	SP CH1 REC (X)	79	80	SP CH1 REC (X)	(3/9)	
	(3/9)	SP CH1 REC (G)	81	82	SP CH1 REC (G)	(3/9)	
			83	84			
			85	86			
			87	88			
105-75, 198-8	(1/9)	SP CH1 PB/EE (X)	89	90	SP CH1 PB/EE (X)	(1/9)	105-76, 198-8
105-73, 198-7	(1/9)	SP CH1 PB/EE (G)	91	92	SP CH1 PB/EE (G)	(1/9)	105-74, 198-7
105-71, 198-6	(1/9)	SP CH2 PB/EE (X)	93	94	SP CH2 PB/EE (X)	(1/9)	105-72, 198-6
105-69, 198-5	(1/9)	SP CH2 PB/EE (G)	95	96	SP CH2 PB/EE (G)	(1/9)	105-70, 198-5
105-67, 198-4	(2/9)	SP CH3 PB/EE (X)	97	98	SP CH3 PB/EE (X)	(2/9)	105-68, 198-4
105-65, 198-3	(2/9)	SP CH3 PB/EE (G)	99	100	SP CH3 PB/EE (G)	(2/9)	105-66, 198-3
105-63, 198-2	(2/9)	SP CH4 PB/EE (X)	101	102	SP CH4 PB/EE (X)	(2/9)	105-64, 198-2
105-61, 198-1	(2/9)	SP CH4 PB/EE (G)	103	104	SP CH4 PB/EE (G)	(2/9)	105-62, 198-1
			105	106			
			107	108			
105-35	(7/9)	AU/APR JP6	109	110	AU/APR JP7	(7/9)	105-36
			111	112			
105-39	(7/9)	AU/APR JP8	113	114	AU/APR JP9	(7/9)	105-40
			115	116			
			117	118			
			119	120			
			121	122			
			123	124			
			125	126			
			127	128			
190-13	(1/9)	CH1 LINE (X)	129	130	CH1 LINE (Y)	(1/9)	190-12
190-11	(1/9)	CH1 LINE (G)	131	132	CH1 LINE (G)	(1/9)	190-11
190-10	(1/9)	CH2 LINE (X)	133	134	CH2 LINE (Y)	(1/9)	190-9
190-8	(1/9)	CH2 LINE (G)	135	136	CH2 LINE (G)	(1/9)	190-8
190-7	(2/9)	CH3 LINE (X)	137	138	CH3 LINE (Y)	(2/9)	190-6
190-5	(2/9)	CH3 LINE (G)	139	140	CH3 LINE (G)	(2/9)	190-5
190-4	(2/9)	CH4 LINE (X)	141	142	CH4 LINE (Y)	(2/9)	190-3
190-2	(2/9)	CH4 LINE (G)	143	144	CH4 LINE (G)	(2/9)	190-2
		GND	145	146	GND		
		GND	147	148	GND		

Motherboard, Remote control connectors
(REMOTE1 (9P), RS-232C, VIDEO CONTROL, CONTROL PANEL)

MB-818 (9/13)

BOARD NO. 1-670-599-11
LOT NO. 804- (MB-818: For DNW-A75/A75P)
LOT NO. 807- (MB-818C: For DNW-A65/A65P)
LOT NO. 905- (MB-818E: For DNW-75/75P)
LOT NO. 905- (MB-818F: For DNW-65/65P)

B-¥DNWA75-MB818-11@/M

MB-818 BOARD		CONNECTION	
SHEET No.	REF No.		
(11/13)	CN90 CN91 CN92	DPR-130	(CN90) (CN91) (CN92)
(5/13)	CN97 CN98	SDI-41	(CN97) (CN98)
(6/13)	CN99 CN100	DEC-110 For DNW-A75/A75P/75/75P (DNW-A65/A65P/65/65P : , NM)	(CN99) (CN100)
(1/13)	CN101	TBC-23A For DNW-A75/A75P/A65/A65P (DNW-75/75P/65/65P : , NM)	(CN101)
	CN102	TBC-24 For DNW-A75/A75P/A65/A65P (DNW-75/75P/65/65P : , NM)	(CN102)
(2/13)	CN103	DM-89 For DNW-A75/A75P/A65/A65P (DNW-75/75P/65/65P : , NM)	(CN103)
(3/13)	CN104 CN105	AU-260 For DNW-A75/A75P/A65/A65P (DNW-75/75P/65/65P : , NM)	(CN104) (CN105)
(4/13)	CN108 CN109	EQ-75	(CN108) (CN109)
(10/13)	CN110 CN111 CN112	DPR-118	(CN110) (CN111) (CN112)
(8/13)	CN113 CN114 CN115	VPR-47	(CN113) (CN114) (CN115)
(9/13)	CN116 CN117 CN118	APR-40	(CN116) (CN117) (CN118)
(7/13)	CN122 CN123 CN124	SS-83	(CN122) (CN123) (CN124)
(12/13)	CN130	(VIDEO CONTROL connector)	
	CN131	(RS-232C connector)	
	CN132	(REMOTE-1 OUT (9P) connector)	
	CN133	(REMOTE-1 IN (9P) connector)	
	CN134	(CONTROL PANEL connector)	
(13/13)	CN140	TC-102	(CN140)
	CN141	DT-34D For DNW-A75/A75P/A65/A65P (DNW-75/75P/65/65P : , NM)	(CN390)
	CN142	SE-461 For DNW-A75/A75P/A65/A65P (DNW-75/75P/65/65P : , NM)	(CN4)
	CN143	———	
	CN144	MS-58	(CN2)
	CN145	KY-438	(CN145)
(12/13)	CN146	RM-179	(CN146)
	CN147	FP-117	(CN147)
(13/13)	CN150 CN151 CN152 CN153	POWER SUPPLY UNIT	(CN254) (CN252) (CN252) (CN252)
	CN154	MS-58	(CN1)
	CN160	REAR FAN	
	CN161	MD FAN	
	CN162	———	
	CN170 CN171 CN172	CP-334	(CN170) (CN171) (CN172)
	CN189	VR-223	(CN512)
(12/13)	CN190 CN192 CN193	CP-278	(CN191) (CN192) (CN193)
	CN194 CN195	CP-301	(CN194) (CN195)
	CN196 CN197	CP-335	(CN196) (CN197)
	CN198 CN199	MB-818	(CN199) (CN198)

DPR-118

CN110

	DPR BOARD SHEET NO.	SIGNAL NAME			SIGNAL NAME	DPR BOARD SHEET NO.	
			1	2			
			3	4			
			5	6			
			7	8			
		GND	9	10	GND		
			11	12			
			13	14			
97-47		SDI DPR JP0	15	16	SDI DPR JP1		97-48
97-49	(9/9)	EVR RESET	17	18	EVR START	(9/9)	97-50
97-51	(9/9)	EVR DACK	19	20	EVR DATA	(9/9)	97-52
97-53	(9/9)	SDDI ENC DO	21	22	SDDI ENC FLAG	(9/9)	97-54
97-55	(9/9)	SDDI DEC DO	23	24	SDDI DEC FLAG	(9/9)	97-56
			25	26	EVR LOAD	(9/9)	97-58
			27	28			
108-29, 108-30		REC HEAD PB A	29	30	REC HEAD PB B		108-33, 108-34
108-79, 108-80		PB ENV (G)	31	32	PB ENV (X)		108-77, 108-78, 124-58
			33	34			
124-65		A3/A7 SEL	35	36	A1/A5 SEL		124-66
124-67		A4/A8 SEL	37	38	A2/A6 SEL		124-68
			39	40	REC SEL		124-70
			41	42			
122-67	(9/9)	L:SDDI INT	43	44	RX FIFO CK	(9/9)	122-109
122-107	(9/9)	L:RX CMD EN	45	46	L:RX TC EN	(9/9)	122-108
			47	48	DPR EQ JP0		109-13, 109-14
109-15, 109-16		DPR EQ JP1	49	50	DPR EQ JP2		109-17, 109-18
109-19, 109-20		DPR EQ JP3	51	52	DPR EQ JP4		109-21, 109-22
114-89		DPR VPR JP2	53	54	DPR VPR JP3		114-90
			55	56			
109-69, 109-70	(1/9)	PB DATA B7	57	58	PB DATA B6	(1/9)	109-67, 109-68
109-65, 109-66	(1/9)	PB DATA B5	59	60	PB DATA B4	(1/9)	109-63, 109-64
109-61, 109-62	(1/9)	PB DATA B3	61	62	PB DATA B2	(1/9)	109-59, 109-60
109-57, 109-58	(1/9)	PB DATA B1	63	64	PB DATA B0	(1/9)	109-55, 109-56
109-73, 109-74	(1/9)	PB PARITY B	65	66	PB STP B	(1/9)	109-71, 109-72
109-47, 109-48		PB DATA A7	67	68	PB DATA A6		109-45, 109-46
109-43, 109-44		PB DATA A5	69	70	PB DATA A4		109-41, 109-42
109-39, 109-40		PB DATA A3	71	72	PB DATA A2		109-37, 109-38
109-35, 109-36		PB DATA A1	73	74	PB DATA A0		109-33, 109-34
		PB PARITY A	75	76	PB STP A		109-49, 109-50
	(1/9)	GND	77	78	GND	(1/9)	
	(1/9)	GND	79	80	GND	(1/9)	
122-81	(1/9)	SY2 D0 L	81	82	SY2 D1 L	(1/9)	122-82
122-83	(1/9)	SY2 D2 L	83	84	SY2 D3 L	(1/9)	122-84
122-85	(1/9)	SY2 D4 L	85	86	SY2 D5 L	(1/9)	122-86
122-87	(1/9)	SY2 D6 L	87	88	SY2 D7 L	(1/9)	122-88
	(1/9)	GND	89	90	SY2 A0 L	(1/9)	122-90
122-91	(1/9)	SY2 A1 L	91	92	SY2 A2 L	(1/9)	122-92
122-93	(1/9)	SY2 A3 L	93	94	SY2 A4 L	(1/9)	122-94
122-95	(1/9)	SY2 A5 L	95	96	SY2 A6 L	(1/9)	122-96
122-97	(1/9)	SY2 A7 L	97	98	GND	(1/9)	
122-99	(1/9)	SY2 WR L	99	100	SY2 RD L	(1/9)	122-100
122-101	(1/9)	SY2 DIR L	101	102	SY2 STB L	(1/9)	122-102
122-117	(1/9)	SYS RESET5 L	103	104	SY2 DPR118 CS	(1/9)	122-104
122-103	(1/9)	SY2 PIORES L	105	106	DSP HBCK	(8/9)	122-111
122-115	(8/9)	DSP HX	107	108	DSP HR	(8/9)	122-114
122-77		DPR SYS JP0	109	110	H:AU FEED SX ENC SEL		123-78
	(1/9)	GND	111	112	GND	(1/9)	
90-87, 114-9	(8/9)	DEC VIDEO0	113	114	DEC VIDEO1	(8/9)	90-88, 114-10
90-89, 114-11	(8/9)	DEC VIDEO2	115	116	DEC VIDEO3	(8/9)	90-90, 114-13
90-91, 114-14	(8/9)	DEC VIDEO4	117	118	DEC VIDEO5	(8/9)	90-92, 114-15
90-93, 114-17	(8/9)	DEC VIDEO6	119	120	DEC VIDEO7	(8/9)	90-94, 114-18
90-95, 114-19	(8/9)	DEC VIDEO HD	121	122	DEC VIDEO VD	(8/9)	90-96, 114-21
90-97, 114-22	(8/9)	DEC VIDEO CFI	123	124	DEC VIDEO PARITY	(8/9)	90-98, 114-23

DPR-118

CN111

	DPR BOARD SHEET NO.	SIGNAL NAME			SIGNAL NAME	DPR BOARD SHEET NO.	
			1	2			
			3	4			
			5	6			
			7	8			
91-9	(8/9)	PP OUTER0	9	10	PP OUTER1	(8/9)	91-10
91-11	(8/9)	PP OUTER2	11	12	PP OUTER3	(8/9)	91-12
91-13	(8/9)	PP OUTER4	13	14	PP OUTER5	(8/9)	91-14
91-15	(8/9)	PP OUTER6	15	16	PP OUTER7	(8/9)	91-16
91-17	(8/9)	PP OUTER SY	17	18	PP OUTER ER	(8/9)	91-18
91-19	(8/9)	PP OUTER PR	19	20	WSTS	(8/9)	91-20
91-21		PP OUTER VF2	21	22	PPLAY INS	(8/9)	91-22
			23	24			
91-23	(8/9)	PP OUTER AU 1/2	25	26	PP OUTER AU 3/4	(8/9)	91-24
			27	28			
91-27	(8/9)	OUTER DATA0	29	30	OUTER DATA1	(8/9)	91-28
91-29	(8/9)	OUTER DATA2	31	32	OUTER DATA3	(8/9)	91-30
91-31	(8/9)	OUTER DATA4	33	34	OUTER DATA5	(8/9)	91-32
91-33	(8/9)	OUTER DATA6	35	36	OUTER DATA7	(8/9)	91-34
91-35	(8/9)	OUTER DATA SY	37	38	OUTER DATA ER	(8/9)	91-36
			39	40			
91-39	(8/9)	SX ENC DATA0	41	42	SX ENC DATA1	(8/9)	91-40
91-41	(8/9)	SX ENC DATA2	43	44	SX ENC DATA3	(8/9)	91-42
91-43	(8/9)	SX ENC DATA4	45	46	SX ENC DATA5	(8/9)	91-44
91-45	(8/9)	SX ENC DATA6	47	48	SX ENC DATA7	(8/9)	91-46
91-47	(8/9)	SX ENC DATA SY	49	50	SX ENC DATA ER	(8/9)	91-48
			51	52			
91-51	(8/9)	VAR AUDIO 1/2	53	54	VAR AUDIO 3/4	(8/9)	91-52
			55	56			
91-55	(8/9)	ENC AUDIO 1/2	57	58	ENC AUDIO 3/4	(8/9)	91-56
			59	60			
			61	62			
			63	64			
			65	66			
			67	68			
91-69		OPT DPR JP0	69	70	OPT DPR JP1		91-70
91-71		OPT DPR JP2	71	72	OPT DPR JP3		91-72
91-73		OPT DPR JP4	73	74	OPT DPR JP5		91-74
91-75		OPT DPR JP6	75	76	OPT DPR JP7		91-76
91-77		OPT DPR JP8	77	78	MPEG IN INS	(8/9)	91-78
			79	80			
			81	82			
			83	84			
			85	86			
			87	88			
			89	90			
			91	92			
			93	94			
			95	96			
			97	98			
			99	100			
			101	102			
91-79	(8/9)	DUB MPEG DATA0	103	104	DUB MPEG DATA1	(8/9)	91-80
91-81	(8/9)	DUB MPEG DATA2	105	106	DUB MPEG DATA3	(8/9)	91-82
91-83	(8/9)	DUB MPEG DATA4	107	108	DUB MPEG DATA5	(8/9)	91-84
91-85	(8/9)	DUB MPEG DATA6	109	110	DUB MPEG DATA7	(8/9)	91-86
91-87	(8/9)	DUB MPEG DATA SY	111	112	DUB MPEG DATA PR	(8/9)	91-88
			113	114			
91-91	(8/9)	DUB MPEG AUD 1/2	115	116	DUB MPEG AUD 3/4	(8/9)	91-92
			117	118			
			119	120			
			121	122			
			123	124			

DPR-118

DPR BOARD SHEET NO.	SIGNAL NAME	CN112		SIGNAL NAME	DPR BOARD SHEET NO.	
(8/9)	GND	1	2	GND	(8/9)	
(8/9)	GND	3	4	GND	(8/9)	
(8/9)	GND	5	6	GND	(8/9)	
(8/9)	GND	7	8	GND	(8/9)	
(8/9)	GND	9	10	GND	(8/9)	
(8/9)	GND	11	12	GND	(8/9)	
(8/9)	GND	13	14	GND	(8/9)	
(8/9)	GND	15	16	GND	(8/9)	
(8/9)	GND	17	18	GND	(8/9)	
(8/9)	GND	19	20	GND	(8/9)	
(8/9)	+5.1V	21	22	+5.1V	(8/9)	
(8/9)	+5.1V	23	24	+5.1V	(8/9)	
(8/9)	+5.1V	25	26	+5.1V	(8/9)	
(8/9)	+5.1V	27	28	+5.1V	(8/9)	
(8/9)	+3.4V	29	30	+3.4V	(8/9)	
(8/9)	+3.4V	31	32	+3.4V	(8/9)	
(8/9)	+3.4V	33	34	+3.4V	(8/9)	
(8/9)	+3.4V	35	36	+3.4V	(8/9)	
(8/9)	+3.4V	37	38	+3.4V	(8/9)	
(8/9)	+3.4V	39	40	+3.4V	(8/9)	
(8/9)	+2.5V	41	42	+2.5V	(8/9)	
(8/9)	+2.5V	43	44	+2.5V	(8/9)	
92-47 (8/9)	SW FS (X)	45	46	SW FS (G)	(8/9)	92-48
109-25, 109-26 (8/9)	REC CK (X)	47	48	REC CK (G)	(8/9)	109-27, 109-28
108-41, 108-42	REC A (Y)	49	50	REC A (X)	(8/9)	108-39, 108-40
108-43, 108-44 (8/9)	REC A (G)	51	52	REC B (Y)		108-47, 108-48
108-45, 108-46 (8/9)	REC B (X)	53	54	REC B (G)	(8/9)	108-49, 108-50
108-115, 108-116 (8/9)	REC PARITY	55	56			
109-87, 109-88 (8/9)	L:REC A EN	57	58	L:REC B EN	(8/9)	109-89, 109-90
109-5, 109-6 (8/9)	CK 27 (X)	59	60	CK 27 (G)	(8/9)	109-7, 109-8
92-52 (8/9)	AVSTO	61	62	GOP AT	(8/9)	92-53
92-54 (8/9)	FRMST	63	64			
92-57 (8/9)	CYC ID0	65	66	CYC ID1	(8/9)	92-58
92-59 (8/9)	CYC ID2	67	68			
92-69 (8/9)	DUB ENC GOP	69	70	DUB ENC AU VD		92-70
92-71	DUB AU ID0	71	72	DUB AU ID1		92-72
92-73	DUB AU ID2	73	74	NC		
115-49 (1/9)	DPR CK (X)	75	76	DPR CK (G)	(1/9)	115-50
114-67 (1/9)	ENC VIDEO0	77	78	ENC VIDEO1	(1/9)	114-69
114-70 (1/9)	ENC VIDEO2	79	80	ENC VIDEO3	(1/9)	114-71
114-73 (1/9)	ENC VIDEO4	81	82	ENC VIDEO5	(1/9)	114-74
114-75 (1/9)	ENC VIDEO6	83	84	ENC VIDEO7	(1/9)	114-77
114-78 (1/9)	ENC VIDEO8	85	86	ENC VIDEO9	(1/9)	114-79
114-81 (1/9)	ENC VIDEO HD	87	88	ENC VIDEO VD	(1/9)	114-82
114-83 (1/9)	ENC VIDEO CFI	89	90	ENC VIDEO PARITY	(1/9)	114-85
114-86	DPR VPR JP0	91	92	DPR VPR JP1		114-87
115-122 (1/9)	SX DEC PB VD	93	94	SDDI IN H	(8/9)	92-94, 97-69, 115-143
92-95, 97-71, 115-145 (8/9)	SDDI IN V	95	96	SDDI IN F	(8/9)	92-96, 97-73, 115-147
(1/9)	GND	97	98	GND	(1/9)	
115-79 (1/9)	DPR 512FS (X)	99	100	DPR 512FS (G)	(1/9)	115-80
115-81 (1/9)	DPR 256FS (X)	101	102	DPR 256FS (G)	(1/9)	115-82
115-83 (1/9)	DPR 64FS (X)	103	104	DPR 64FS (G)	(1/9)	115-84
115-85 (1/9)	DPR 32FS (X)	105	106	DPR 32FS (G)	(1/9)	115-86
115-87 (1/9)	DPR FS (X)	107	108	DPR FS (G)	(1/9)	115-88
115-89 (1/9)	REC AU ID0	109	110	REC AU ID1	(1/9)	115-90
115-91 (1/9)	REC AU ID2	111	112			
116-57 (1/9)	ENC 1/2	113	114	ENC 3/4	(1/9)	116-58
116-59 (8/9)	VAR AU 1/2	115	116	VAR AU 3/4	(8/9)	116-60
116-61	DPR APR JP0	117	118	DPR APR JP1		116-62
116-63	DPR APR JP2	119	120	DPR APR JP3		116-64
115-125 (9/9)	DPACK HD	121	122	DPACK VD	(9/9)	115-126
115-127 (9/9)	DPACK CFI	123	124	DEC AUDIO HD	(9/9)	114-100
114-98 (1/9)	ENC AUDIO VD	125	126	DPR DEC AU VD	(1/9)	114-99
115-113 (1/9)	ENC FRAME	127	128	DEC AUDIO FRAME	(9/9)	114-101
115-118 (1/9)	PACK VD	129	130	PACK HD	(9/9)	115-117
115-119 (9/9)	PACK FRAME	131	132	DEC FRAME	(1/9)	115-135
115-138 (1/9)	DPR ADV CF	133	134	L:REC MODE	(8/9)	124-62
124-135 (8/9)	DPR SV JP0	135	136	NT CTL	(8/9)	124-136
124-137 (8/9)	H:ANA CAS	137	138	OUTER_A BUSY	(8/9)	124-138
124-139 (1/9)	NT PULSE	139	140	OUTER_B BUSY		124-140
124-141 (1/9)	READ START	141	142	CAPSTAN FWD/REV	(1/9)	124-142
124-143 (1/9)	SV BNK0	143	144	SV BNK1	(1/9)	124-144
124-145 (1/9)	SV BNK2	145	146	SV BNK3	(1/9)	124-146
124-147 (1/9)	TRACK START	147	148	SECTOR START	(1/9)	124-148

Motherboard, Remote control connectors
(REMOTE1 (9P), RS-232C, VIDEO CONTROL, CONTROL PANEL)

MB-818 (10/13)

BOARD NO. 1-670-599-11
LOT NO. 804- (MB-818: For DNW-A75/A75P)
LOT NO. 807- (MB-818C: For DNW-A65/A65P)
LOT NO. 905- (MB-818E: For DNW-75/75P)
LOT NO. 905- (MB-818F: For DNW-65/65P)

B-¥DNWA75-MB818-11@/M

MB-818 (11/13)

MB-818 BOARD		CONNECTION
SHEET No.	REF No.	
(11/13)	CN90 CN91 CN92	DPR-130 (CN90) (CN91) (CN92)
(5/13)	CN97 CN98	SDI-41 (CN97) (CN98)
(6/13)	CN99 CN100	DEC-110 (CN99) For DNW-A75/A75P/75/75P (CN100) (DNW-A65/A65P/65/65P : , NM)
(1/13)	CN101	TBC-23A (CN101) For DNW-A75/A75P/A65/A65P (DNW-75/75P/65/65P : , NM)
	CN102	TBC-24 (CN102) For DNW-A75/A75P/A65/A65P (DNW-75/75P/65/65P : , NM)
(2/13)	CN103	DM-89 (CN103) For DNW-A75/A75P/A65/A65P (DNW-75/75P/65/65P : , NM)
(3/13)	CN104 CN105	AU-260 (CN104) For DNW-A75/A75P/A65/A65P (CN105) (DNW-75/75P/65/65P : , NM)
(4/13)	CN108 CN109	EQ-75 (CN108) (CN109)
(10/13)	CN110 CN111 CN112	DPR-118 (CN110) (CN111) (CN112)
(8/13)	CN113 CN114 CN115	VPR-47 (CN113) (CN114) (CN115)
(9/13)	CN116 CN117 CN118	APR-40 (CN116) (CN117) (CN118)
(7/13)	CN122 CN123 CN124	SS-83 (CN122) (CN123) (CN124)
(12/13)	CN130	(VIDEO CONTROL connector)
	CN131	(RS-232C connector)
	CN132	(REMOTE-1 OUT (9P) connector)
	CN133	(REMOTE-1 IN (9P) connector)
	CN134	(CONTROL PANEL connector)
(13/13)	CN140	TC-102 (CN140)
	CN141	DT-34D (CN390) For DNW-A75/A75P/A65/A65P (DNW-75/75P/65/65P : , NM)
	CN142	SE-461 (CN4) For DNW-A75/A75P/A65/A65P (DNW-75/75P/65/65P : , NM)
	CN143	———
	CN144	MS-58 (CN2)
	CN145	KY-438 (CN145)
(12/13)	CN146	RM-179 (CN146)
	CN147	FP-117 (CN147)
(13/13)	CN150 CN151 CN152 CN153	POWER SUPPLY UNIT (CN254) (CN252) (CN252) (CN252)
	CN154	MS-58 (CN1)
	CN160	REAR FAN
	CN161	MD FAN
	CN162	———
	CN170 CN171 CN172	CP-334 (CN170) (CN171) (CN172)
	CN189	VR-223 (CN512)
(12/13)	CN190 CN192 CN193	CP-278 (CN191) (CN192) (CN193)
	CN194 CN195	CP-301 (CN194) (CN195)
	CN196 CN197	CP-335 (CN196) (CN197)
	CN198 CN199	MB-818 (CN199) (CN198)

RESERVED SLOT (OPTION)

CN90

DPR BOARD SHEET NO.	SIGNAL NAME			SIGNAL NAME	DPR BOARD SHEET NO.
		1	2		
		3	4		
		5	6		
		7	8	DPR130 WAIT	→ 122-8
← 122-9	SY2 A10 L	9	10	SY2 A11 L	← 122-10
← 122-11	SY2 OPT CS	11	12		
		13	14		
← 97-50	EVR START	15	16	EVR DACK	← 97-51
← 97-52	EVR DATA	17	18	EVR LOAD	← 97-58
← 97-49	EVR RESET	19	20		
← 110-21	SDDI ENC DO	21	22	SDDI ENC FLAG	← 110-22
← 110-23	SDDI DEC DO	23	24	SDDI DEC FLAG	← 110-24
		25	26		
		27	28		
		29	30		
		31	32		
← 122-33	SY2 A8 L	33	34	SY2 A9 L	← 122-34
↔ 122-81	SY2 D0 L	35	36	SY2 D1 L	↔ 122-82
↔ 122-83	SY2 D2 L	37	38	SY2 D3 L	↔ 122-84
↔ 122-85	SY2 D4 L	39	40	SY2 D5 L	↔ 122-86
↔ 122-87	SY2 D6 L	41	42	SY2 D7 L	↔ 122-88
		43	44		
← 122-90	SY2 A0 L	45	46	SY2 A1 L	← 122-91
← 122-92	SY2 A2 L	47	48	SY2 A3 L	← 122-93
← 122-94	SY2 A4 L	49	50	SY2 A5 L	← 122-95
← 122-96	SY2 A6 L	51	52	SY2 A7 L	← 122-97
← 122-99	SY2 WR L	53	54	SY2 RD L	← 122-100
← 122-101	SY2 DIR L	55	56	SY2 STB L	← 122-102
← 122-117	SYS RESET5 L	57	58	SY2 PIORES L	← 122-103
		59	60		
← 116-71	PP AU 1/2	61	62	PP AU 3/4	→ 116-72
← 116-65	OPT APR JP0	63	64	OPT APR JP1	← 116-66
		65	66		
		67	68		
		69	70		
		71	72		
		73	74		
		75	76		
		77	78		
		79	80		
		81	82		
		83	84		
		85	86		
← 110-113	DEC VIDEO0	87	88	DEC VIDEO1	← 110-114
← 110-115	DEC VIDEO2	89	90	DEC VIDEO3	← 110-116
← 110-117	DEC VIDEO4	91	92	DEC VIDEO5	← 110-118
← 110-119	DEC VIDEO6	93	94	DEC VIDEO7	← 110-120
← 110-121	DEC VIDEO HD	95	96	DEC VIDEO VD	← 110-122
← 110-123	DEC VIDEO CFI	97	98	DEC VIDEO PARITY	← 110-124
		99	100		
		101	102		
		103	104		
		105	106		
		107	108		
← 114-29	DEC2 VIDEO0	109	110	DEC2 VIDEO1	→ 114-30
← 114-31	DEC2 VIDEO2	111	112	OPT VPR JP0	← 114-32
← 114-33	DEC2 VIDEO3	113	114	DEC2 VIDEO4	→ 114-34
← 114-35	DEC2 VIDEO5	115	116	OPT VPR JP1	← 114-36
← 114-37	DEC2 VIDEO6	117	118	DEC2 VIDEO7	→ 114-38
← 114-39	DEC2 VIDEO HD	119	120	OPT VPR JP2	← 114-40
← 114-41	DEC2 VIDEO VD	121	122	DEC2 VIDEO CFI	→ 114-42
← 114-43	DEC2 VIDEO PARITY	123	124	OPT VPR JP3	← 114-44

RESERVED SLOT (OPTION)

CN91

DPR BOARD SHEET NO.	SIGNAL NAME			SIGNAL NAME	DPR BOARD SHEET NO.
	GND	1	2	GND	
	+15V	3	4	+15V	
	−15V	5	6	−15V	
	GND	7	8	GND	
← 111-9	PP OUTER0	9	10	PP OUTER1	← 111-10
← 111-11	PP OUTER2	11	12	PP OUTER3	← 111-12
← 111-13	PP OUTER4	13	14	PP OUTER5	← 111-14
← 111-15	PP OUTER6	15	16	PP OUTER7	← 111-16
← 111-17	PP OUTER SY	17	18	PP OUTER ER	← 111-18
← 111-19	PP OUTER PR	19	20	WSTS	← 111-20
← 111-21	PP OUTER VF2	21	22	PPLAY INS	→ 111-22
← 111-25	PP OUTER AU 1/2	23	24	PP OUTER AU 3/4	← 111-26
		25	26		
← 111-29	OUTER DATA0	27	28	OUTER DATA1	← 111-30
← 111-31	OUTER DATA2	29	30	OUTER DATA3	← 111-32
← 111-33	OUTER DATA4	31	32	OUTER DATA5	← 111-34
← 111-35	OUTER DATA6	33	34	OUTER DATA7	← 111-36
← 111-37	OUTER DATA SY	35	36	OUTER DATA ER	← 111-38
		37	38		
← 111-41	SX ENC DATA0	39	40	SX ENC DATA1	← 111-42
← 111-43	SX ENC DATA2	41	42	SX ENC DATA3	← 111-44
← 111-45	SX ENC DATA4	43	44	SX ENC DATA5	← 111-46
← 111-47	SX ENC DATA6	45	46	SX ENC DATA7	← 111-48
← 111-49	SX ENC DATA SY	47	48	SX ENC DATA ER	← 111-50
		49	50		
← 111-53	VAR AUDIO 1/2	51	52	VAR AUDIO 3/4	← 111-54
		53	54		
← 111-57	ENC AUDIO 1/2	55	56	ENC AUDIO 3/4	← 111-58
		57	58		
		59	60		
		61	62		
		63	64		
← 123-109	OPT SS JP0	65	66	OPT SS JP1	← 123-113
← 123-114	OPT SS JP2	67	68		
← 111-69	OPT DPR JP0	69	70	OPT DPR JP1	← 111-70
← 111-71	OPT DPR JP2	71	72	OPT DPR JP3	← 111-72
← 111-73	OPT DPR JP4	73	74	OPT DPR JP5	← 111-74
← 111-75	OPT DPR JP6	75	76	OPT DPR JP7	← 111-76
← 111-77	OPT DPR JP8	77	78	MPEG IN INS	← 111-78
← 111-103	DUB MPEG DATA0	79	80	DUB MPEG DATA1	→ 111-104
← 111-105	DUB MPEG DATA2	81	82	DUB MPEG DATA3	→ 111-106
← 111-107	DUB MPEG DATA4	83	84	DUB MPEG DATA5	→ 111-108
← 111-109	DUB MPEG DATA6	85	86	DUB MPEG DAT7	→ 111-110
← 111-111	DUB MPEG DATA SY	87	88	DUB MPEG DATA PR	→ 111-112
		89	90		
← 111-115	DUB MPEG AUD 1/2	91	92	DUB MPEG AUD 3/4	→ 111-116
		93	94		
← 114-95	OPT ENC AU VD	95	96		
← 114-97	OPT DEC AU VD	97	98		
		99	100		
		101	102		
		103	104		
← 114-105	CC VIDEO0	105	106	CC VIDEO1	→ 114-106
← 114-107	CC VIDEO2	107	108	CC VIDEO3	→ 114-108
← 114-109	CC VIDEO4	109	110	CC VIDEO5	→ 114-110
← 114-111	CC VIDEO6	111	112	CC VIDEO7	→ 114-112
← 114-113	CC VIDEO EN	113	114		
	GND	115	116	GND	
	GND	117	118	GND	
	−8V	119	120	−8V	
	+8V	121	122	+8V	
	GND	123	124	GND	

3-112

RESERVED SLOT (OPTION)

	DPR BOARD SHEET NO.	CN92 SIGNAL NAME			CN92 SIGNAL NAME	DPR BOARD SHEET NO.	
		GND	1	2	GND		
		GND	3	4	GND		
		GND	5	6	GND		
		GND	7	8	GND		
		GND	9	10	GND		
		GND	11	12	GND		
		GND	13	14	GND		
		GND	15	16	GND		
		GND	17	18	GND		
		GND	19	20	GND		
		+5.1V	21	22	+5.1V		
		+5.1V	23	24	+5.1V		
		+5.1V	25	26	+5.1V		
		+5.1V	27	28	+5.1V		
		+3.4V	29	30	+3.4V		
		+3.4V	31	32	+3.4V		
		+3.4V	33	34	+3.4V		
		+3.4V	35	36	+3.4V		
		+3.4V	37	38	+3.4V		
		+3.4V	39	40	+3.4V		
			41	42			
			43	44			
			45	46			
112-45 →		SW FS (X)	47	48	SW FS (G)		→ 112-46
			49	50			
			51	52	AVSTO		← 112-61
112-62 →		GOP AT	53	54	FRMST		← 112-63
			55	56			
112-65 →		CYC IDO	57	58	CYC ID1		← 112-66
112-67 →		CYC ID2	59	60			
			61	62			
115-63 →		OPT 256FS (G)	63	64	OPT 256FS (X)		← 115-64
115-74 →		OPT FS (X)	65	66	OPT FS (G)		→ 115-73
115-52 →		OPT CK (G)	67	68	OPT CK (X)		← 115-51
112-69 →		DUB ENC GOP	69	70	DUB ENC AU VD		→ 112-70
112-71 →		DUB AU IDO	71	72	DUB AU ID1		→ 112-72
112-73 →		DUB AU ID2	73	74			
		SWITCHED CTL	75	76			
			77	78			
			79	80			
			81	82			
		CAPSTAN FG (B)	83	84	CAPSTAN FG (A)		
			85	86			
			87	88			
			89	90			
			91	92			
			93	94	SDDI IN H		← 112-94
112-95 →		SDDI IN V	95	96	SDDI IN F		← 112-96
			97	98			
			99	100			
			101	102			
			103	104			
			105	106			
			107	108			
115-89 →		REC AU IDO	109	110	REC AU ID1		← 115-90
115-91 →		REC AU ID2	111	112			
			113	114			
			115	116			
			117	118			
			119	120			
115-139 →		OPT DPACK HD	121	122	OPT DPACK VD		← 115-141
115-142 →		OPT DPACK CFI	123	124	DEC AUDIO HD		← 114-100
			125	126			
			127	128	OPT DEC AU FRAME		← 114-103
115-115 →		OPT PACK VD	129	130	OPT PACK HD		← 115-107
115-109 →		OPT PACK FRAME	131	132			
			133	134			
			135	136			
			137	138			
			139	140			
			141	142			
			143	144			
			145	146			
			147	148			

Motherboard, Remote control connectors
(REMOTE1 (9P), RS-232C, VIDEO CONTROL, CONTROL PANEL)

MB-818 (11/13)

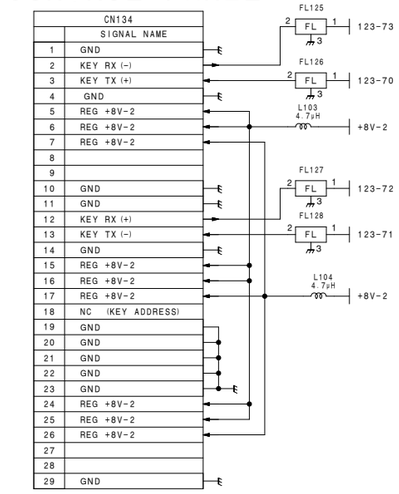
BOARD NO. 1-670-599-11
LOT NO. 804- (MB-818: For DNW-A75/A75P)
LOT NO. 807- (MB-818C: For DNW-A65/A65P)
LOT NO. 905- (MB-818E: For DNW-75/75P)
LOT NO. 905- (MB-818F: For DNW-65/65P)

B-¥DNWA75-MB818-11@/M

MB-818 BOARD		CONNECTION	
SHEET No.	REF No.		
(11/13)	CN90 CN91 CN92	DPR-130	(CN90) (CN91) (CN92)
(5/13)	CN97 CN98	SDI-41	(CN97) (CN98)
(6/13)	CN99 CN100	DEC-110 For DNW-A75/A75P/75/75P (DNW-A65/A65P/65/65P : , NM)	(CN99) (CN100)
(1/13)	CN101	TBC-23A For DNW-A75/A75P/A65/A65P (DNW-75/75P/65/65P : , NM)	(CN101)
	CN102	TBC-24 For DNW-A75/A75P/A65/A65P (DNW-75/75P/65/65P : , NM)	(CN102)
(2/13)	CN103	DM-89 For DNW-A75/A75P/A65/A65P (DNW-75/75P/65/65P : , NM)	(CN103)
(3/13)	CN104 CN105	AU-260 For DNW-A75/A75P/A65/A65P (DNW-75/75P/65/65P : , NM)	(CN104) (CN105)
(4/13)	CN108 CN109	EQ-75	(CN108) (CN109)
(10/13)	CN110 CN111 CN112	DPR-118	(CN110) (CN111) (CN112)
(8/13)	CN113 CN114 CN115	VPR-47	(CN113) (CN114) (CN115)
(9/13)	CN116 CN117 CN118	APR-40	(CN116) (CN117) (CN118)
(7/13)	CN122 CN123 CN124	SS-83	(CN122) (CN123) (CN124)
(12/13)	CN130	(VIDEO CONTROL connector)	
	CN131	(RS-232C connector)	
	CN132	(REMOTE-1 OUT (9P) connector)	
	CN133	(REMOTE-1 IN (9P) connector)	
	CN134	(CONTROL PANEL connector)	
(13/13)	CN140	TC-102	(CN140)
	CN141	DT-34D For DNW-A75/A75P/A65/A65P (DNW-75/75P/65/65P : , NM)	(CN390)
	CN142	SE-461 For DNW-A75/A75P/A65/A65P (DNW-75/75P/65/65P : , NM)	(CN4)
	CN143	———	
	CN144	MS-58	(CN2)
	CN145	KY-438	(CN145)
(12/13)	CN146	RM-179	(CN146)
	CN147	FP-117	(CN147)
(13/13)	CN150 CN151 CN152 CN153	POWER SUPPLY UNIT	(CN254) (CN252) (CN252) (CN252)
	CN154	MS-58	(CN1)
	CN160	REAR FAN	
	CN161	MD FAN	
	CN162	———	
	CN170 CN171 CN172	CP-334	(CN170) (CN171) (CN172)
	CN189	VR-223	(CN512)
(12/13)	CN190 CN192 CN193	CP-278	(CN191) (CN192) (CN193)
	CN194 CN195	CP-301	(CN194) (CN195)
	CN196 CN197	CP-335	(CN196) (CN197)
	CN198 CN199	MB-818	(CN199) (CN198)

CONTROL PANEL

CN134	
	SIGNAL NAME
1	GND
2	KEY RX (–)
3	KEY TX (+)
4	GND
5	REG +8V-2
6	REG +8V-2
7	REG +8V-2
8	
9	
10	GND
11	GND
12	KEY RX (+)
13	KEY TX (–)
14	GND
15	REG +8V-2
16	REG +8V-2
17	REG +8V-2
18	NC (KEY ADDRESS)
19	GND
20	GND
21	GND
22	GND
23	GND
24	REG +8V-2
25	REG +8V-2
26	REG +8V-2
27	
28	
29	GND

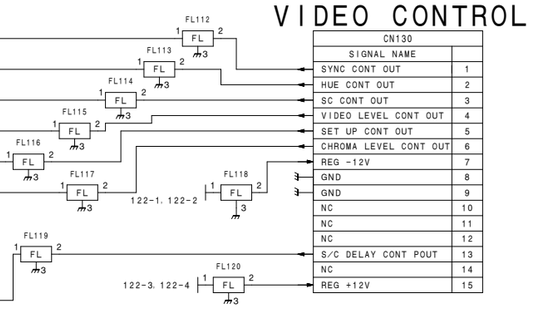


FP-117 (CN147)

CN147		FP BOARD
	SIGNAL NAME	SHEET NO.
1	GND	(1/1)
2	GND	(1/1)
3	+15V	(1/1)
4	+15V	(1/1)
5	–15V	(1/1)
6	–15V	(1/1)
7	GND	(1/1)
8	GND	(1/1)
9	GND	(1/1)
10	GND	(1/1)
11	GND	(1/1)
12	GND	(1/1)
13	GND	(1/1)
14	GND	(1/1)
15	VIDEO LEVEL CONT OUT	(1/1)
16	CHROMA LEVEL CONT OUT	(1/1)
17	SET UP CONT OUT	(1/1)
18	Y/C DELAY CONT OUT	(1/1)
19	HUE CONT OUT	(1/1)
20	SYNC CONT OUT	(1/1)
21	SC CONT OUT	(1/1)
22	GND	(1/1)
23	POWER ON MUTE2	(1/1) → 117-16
24	SIF2 FL CS	(1/1) → 122-79
25	SIF2 SCK	(1/1) → 122-69
26	SIF2 RES	(1/1) → 122-71
27	SIF2 CMD	(1/1) → 122-70
28	SIF2 RDY	(1/1) → 122-72
29	SIF1 FPCS	(1/1) → 123-27
30	SYS RESET5 L	(1/1) → 122-117
31	SIF1 RES	(1/1) → 123-25
32	SIF1 CMD	(1/1) → 123-24
33	SIF1 CK	(1/1) → 123-23
34	SIF1 RDY	(1/1) → 123-26
35	+5.1V	(1/1)
36	+5.1V	(1/1)
37	+8V	(1/1)
38	+8V	(1/1)
39	GND	(1/1)
40	GND	(1/1)

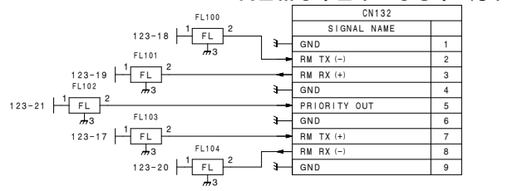
VIDEO CONTROL

CN130		
	SIGNAL NAME	
SYNC CONT OUT		1
HUE CONT OUT		2
SC CONT OUT		3
VIDEO LEVEL CONT OUT		4
SET UP CONT OUT		5
CHROMA LEVEL CONT OUT		6
REG –12V		7
GND		8
GND		9
NC		10
NC		11
NC		12
S/C DELAY CONT POUT		13
NC		14
REG +12V		15



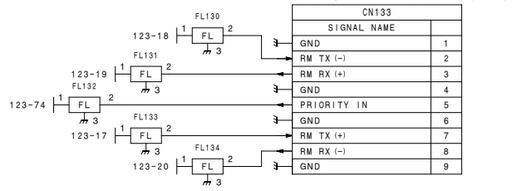
REMOTE1-OUT (9P)

CN132		
	SIGNAL NAME	
GND		1
RM TX (–)		2
RM RX (+)		3
GND		4
PRIORITY OUT		5
GND		6
RM TX (+)		7
RM RX (–)		8
GND		9



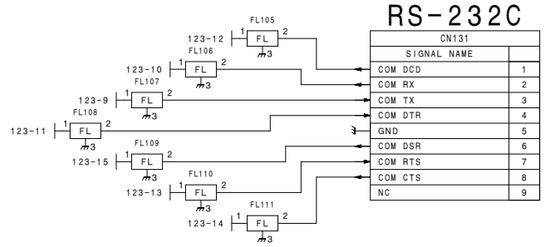
REMOTE1-IN (9P)

CN133		
	SIGNAL NAME	
GND		1
RM TX (–)		2
RM RX (+)		3
GND		4
PRIORITY IN		5
GND		6
RM TX (+)		7
RM RX (–)		8
GND		9



RS-232C

CN131		
	SIGNAL NAME	
COM DCD		1
COM RX		2
COM TX		3
COM DTR		4
GND		5
COM DSR		6
COM RTS		7
COM CTS		8
NC		9

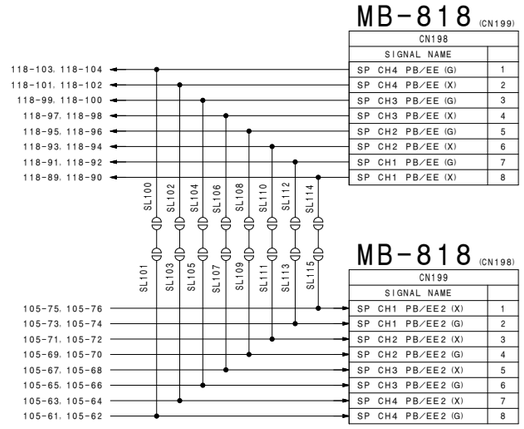


MB-818 (CN199)

CN198		
	SIGNAL NAME	
SP CH4 PB/EE (G)		1
SP CH4 PB/EE (X)		2
SP CH3 PB/EE (G)		3
SP CH3 PB/EE (X)		4
SP CH2 PB/EE (G)		5
SP CH2 PB/EE (X)		6
SP CH1 PB/EE (G)		7
SP CH1 PB/EE (X)		8

MB-818 (CN198)

CN199		
	SIGNAL NAME	
SP CH1 PB/EE2 (X)		1
SP CH1 PB/EE2 (G)		2
SP CH2 PB/EE2 (X)		3
SP CH2 PB/EE2 (G)		4
SP CH3 PB/EE2 (X)		5
SP CH3 PB/EE2 (G)		6
SP CH4 PB/EE2 (X)		7
SP CH4 PB/EE2 (G)		8



RM-179 (CN146)

RM BOARD	CN146	
SHEET NO.	SIGNAL NAME	
(1/1)	+15V	1
(1/1)	+15V	2
(1/1)	GND	3
(1/1)	GND	4
(1/1)	+5.1V	5
(1/1)	+5.1V	6
(1/1) → 122-117	SYS RESET5 L	7
(1/1) → 123-26	SIF1 RDY	8
(1/1) → 123-25	SIF1 RES	9
(1/1) → 123-24	SIF1 CMD	10
(1/1) → 123-23	SIF1 CK	11
(1/1) → 123-29	SIF1 RMCS	12
(1/1) → 123-7	SIF1 EEPROM CS	13
(1/1) → 122-13	EEPROM BSY	14

CP-278 (CN191)

CP BOARD	CN190	
SHEET NO.	SIGNAL NAME	
118-129 (1/1)	CH1 LINE (X)	1
118-130 (1/1)	CH1 LINE (Y)	2
118-131. 118-132 (1/1)	CH1 LINE (G)	3
118-133 (1/1)	CH2 LINE (X)	4
118-134 (1/1)	CH2 LINE (Y)	5
118-135. 118-136 (1/1)	CH2 LINE (G)	6
118-137 (1/1)	CH3 LINE (X)	7
118-138 (1/1)	CH3 LINE (Y)	8
118-139. 118-140 (1/1)	CH3 LINE (G)	9
118-141 (1/1)	CH4 LINE (X)	10
118-142 (1/1)	CH4 LINE (Y)	11
118-143. 118-144 (1/1)	CH4 LINE (G)	12
(1/1)	NC	13

CP-278 (CN192)

CP BOARD	CN192	
SHEET NO.	SIGNAL NAME	
118-47. 118-48 (1/1)	CH4 OUT (G)	12
118-50 (1/1)	CH4 OUT (Y)	11
118-49 (1/1)	CH4 OUT (X)	10
118-51. 118-52 (1/1)	CH3 OUT (G)	9
118-54 (1/1)	CH3 OUT (Y)	8
118-53 (1/1)	CH3 OUT (X)	7
118-55. 118-56 (1/1)	CH2 OUT (G)	6
118-58 (1/1)	CH2 OUT (Y)	5
118-57 (1/1)	CH2 OUT (X)	4
118-59. 118-60 (1/1)	CH1 OUT (G)	3
118-62 (1/1)	CH1 OUT (Y)	2
118-61 (1/1)	CH1 OUT (X)	1

CP-278 (CN193)

CP BOARD	CN193	
SHEET NO.	SIGNAL NAME	
117-69 (1/1)	CH1 MIC ON/OFF	1
117-70 (1/1)	CH2 MIC ON/OFF	2
117-71 (1/1)	CH3 MIC ON/OFF	3
117-72 (1/1)	CH4 MIC ON/OFF	4
(1/1)	GND	5

CP-301 (CN194)

CP BOARD	CN194	
SHEET NO.	SIGNAL NAME	
117-107 (1/1)	MONITOR R OUT (X)	7
117-108 (1/1)	MONITOR R OUT (Y)	6
117-109. 117-110 (1/1)	MONITOR R OUT (G)	5
117-111 (1/1)	MONITOR L OUT (X)	4
117-112 (1/1)	MONITOR L OUT (Y)	3
117-113. 117-114 (1/1)	MONITOR L OUT (G)	2
(1/1)	NC	1

CP-301 (CN195)

CP BOARD	CN195	
SHEET NO.	SIGNAL NAME	
(1/1)	+5.1V	1
(1/1)	GND	2
(1/1)	–8V	3
122-120 (1/1)	LTC OUT	4
116-45 (1/1)	L:LTC EQ ON	5
122-122 (1/1)	LTC SOURSE	6

CP-335 (CN196)

CP BOARD	CN196	
SHEET NO.	SIGNAL NAME	
116-9 (1/1)	O AES 1/2 (X)	1
116-10 (1/1)	O AES 1/2 (G)	2
116-11 (1/1)	O AES 3/4 (X)	3
116-12 (1/1)	O AES 3/4 (G)	4

CP-335 (CN197)

CP BOARD	CN197	
SHEET NO.	SIGNAL NAME	
(1/1)	+8V	1
(1/1)	GND	2
(1/1)	GND	3
(1/1)	+5.1V	4
(1/1)	–8V	5
116-7 (1/1)	I AES 3/4 (X)	6
116-8 (1/1)	I AES 3/4 (G)	7
116-5 (1/1)	I AES 1/2 (X)	8
116-6 (1/1)	I AES 1/2 (G)	9

Motherboard, Remote control connectors
(REMOTE1 (9P), RS-232C, VIDEO CONTROL, CONTROL PANEL)

MB-818 (12/13)

BOARD NO. 1-670-599-11
LOT NO. 804- (MB-818: For DNW-A75/A75P)
LOT NO. 807- (MB-818C: For DNW-A65/A65P)
LOT NO. 905- (MB-818E: For DNW-75/75P)
LOT NO. 905- (MB-818F: For DNW-65/65P)

B-¥DNWA75-MB818-11@/M

DNW-75/75P
DNW-65/65P

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MB-818 BOARD		CONNECTION	
SHEET No.	REF No.		
(11/13)	CN90 CN91 CN92	DPR-130	(CN90) (CN91) (CN92)
(5/13)	CN97 CN98	SDI-41	(CN97) (CN98)
(6/13)	CN99 CN100	DEC-110 For DNW-A75/A75P/75/75P (DNW-A65/A65P/65/65P :, NM)	(CN99) (CN100)
(1/13)	CN101	TBC-23A For DNW-A75/A75P/A65/A65P (DNW-75/75P/65/65P :, NM)	(CN101)
	CN102	TBC-24 For DNW-A75/A75P/A65/A65P (DNW-75/75P/65/65P :, NM)	(CN102)
(2/13)	CN103	DM-89 For DNW-A75/A75P/A65/A65P (DNW-75/75P/65/65P :, NM)	(CN103)
(3/13)	CN104 CN105	AU-260 For DNW-A75/A75P/A65/A65P (DNW-75/75P/65/65P :, NM)	(CN104) (CN105)
(4/13)	CN108 CN109	EQ-75	(CN108) (CN109)
(10/13)	CN110 CN111 CN112	DPR-118	(CN110) (CN111) (CN112)
(8/13)	CN113 CN114 CN115	VPR-47	(CN113) (CN114) (CN115)
(9/13)	CN116 CN117 CN118	APR-40	(CN116) (CN117) (CN118)
(7/13)	CN122 CN123 CN124	SS-83	(CN122) (CN123) (CN124)
(12/13)	CN130	(VIDEO CONTROL connector)	
	CN131	(RS-232C connector)	
	CN132	(REMOTE-1 OUT (9P) connector)	
	CN133	(REMOTE-1 IN (9P) connector)	
	CN134	(CONTROL PANEL connector)	
(13/13)	CN140	TC-102	(CN140)
	CN141	DT-34D For DNW-A75/A75P/A65/A65P (DNW-75/75P/65/65P :, NM)	(CN390)
	CN142	SE-461 For DNW-A75/A75P/A65/A65P (DNW-75/75P/65/65P :, NM)	(CN4)
	CN143	———	
	CN144	MS-58	(CN2)
	CN145	KY-438	(CN145)
(12/13)	CN146	RM-179	(CN146)
	CN147	FP-117	(CN147)
(13/13)	CN150 CN151 CN152 CN153	POWER SUPPLY UNIT	(CN254) (CN252) (CN252) (CN252)
	CN154	MS-58	(CN1)
	CN160	REAR FAN	
	CN161	MD FAN	
	CN162	———	
	CN170 CN171 CN172	CP-334	(CN170) (CN171) (CN172)
	CN189	VR-223	(CN512)
(12/13)	CN190 CN192 CN193	CP-278	(CN191) (CN192) (CN193)
	CN194 CN195	CP-301	(CN194) (CN195)
	CN196 CN197	CP-335	(CN196) (CN197)
	CN198 CN199	MB-818	(CN199) (CN198)

CP-334 (CN170)

	CP BOARD	CN170		
	SHEET NO.	SIGNAL NAME		
113-22	(1/1)	CP VPR JP	1	
113-15	(1/1)	B-Y OUT (G)	2	
113-16	(1/1)	B-Y OUT (X)	3	
113-13	(1/1)	R-Y OUT (G)	4	
113-14	(1/1)	R-Y OUT (X)	5	
113-11	(1/1)	Y OUT (G)	6	
113-12	(1/1)	Y OUT (X)	7	
113-7	(1/1)	VIDEO3 OUT (G)	8	
113-8	(1/1)	VIDEO3 OUT (X)	9	
113-5	(1/1)	VIDEO2 OUT (G)	10	
113-6	(1/1)	VIDEO2 OUT (X)	11	
113-3	(1/1)	VIDEO1 OUT (G)	12	
113-4	(1/1)	VIDEO1 OUT (X)	13	

CP-334 (CN171)

	CP BOARD	CN171	
	SHEET NO.	SIGNAL NAME	
99-52	(1/1)	B-Y DEC (G)	1
99-50	(1/1)	B-Y DEC (X)	2
99-48	(1/1)	R-Y DEC (G)	3
99-46	(1/1)	R-Y DEC (X)	4
99-44	(1/1)	Y DEC (G)	5
99-42	(1/1)	Y DEC (X)	6
113-116	(1/1)	REF CONT1	7
113-115	(1/1)	REF CONT0	8
		NC	9
		NC	10
99-33	(1/1)	INPUT VIDEO (G)	11
99-34	(1/1)	INPUT VIDEO (X)	12
113-19	(1/1)	REF INPUT (G)	13
113-20	(1/1)	REF INPUT (X)	14

CP-334 (CN172)

CP BOARD	CN172	
SHEET NO.	SIGNAL NAME	
(1/1)	+8V-2	1
(1/1)	GND	2
(1/1)	GND	3
(1/1)	-8V	4

SE-461 (CN4)

For DNW-A75/A75P/A65/A65P (DNW-75/75P/65/65P :, NM)

	SE BOARD	CN142	
	SHEET NO.	SIGNAL NAME	
123-92	(1/1)	ANALOG SG A	1
123-94	(1/1)	ANALOG SG B	2
123-90	(1/1)	OFFSET	3
	(1/1)	NC	4
	(1/1)	NC	5
	(1/1)	NC	6
	(1/1)	-15V	7
	(1/1)	GND	8

DT-34D (CN390)

	DT BOARD	CN141	
	SHEET NO.	SIGNAL NAME	
123-97	(1/1)	BIM DRIVE A	1
123-98	(1/1)	BIM DRIVE B	2
124-55	(1/1)	MODE SW	3
124-41	(1/1)	BIM DRIVE SIG A	4
124-42	(1/1)	BIM DRIVE SIG B	5
	(1/1)	NC	6
	(1/1)	+15V	7
144-44	(1/1)	+13V	8
	(1/1)	GND	9
	(1/1)	-15V	10

VR-223 (CN512)

	VR BOARD	CN189	
	SHEET NO.	SIGNAL NAME	
117-89, 117-90	(1/1)	HP L (X)	1
117-87, 117-88	(1/1)	HP L (G)	2
117-85, 117-86	(1/1)	HP L VAR (X)	3
117-83, 117-84	(1/1)	HP L VAR (G)	4
117-81, 117-82	(1/1)	HP R (X)	5
117-79, 117-80	(1/1)	HP R (G)	6
117-77, 117-78	(1/1)	HP R VAR (X)	7
117-75, 117-76	(1/1)	HP R VAR (G)	8

MS-58 (CN1)

MS BOARD	CN154	
SHEET NO.	SIGNAL NAME	
(1/3)	-15V	1
(1/3)	+15V	2
(1/3)	GND	3
(1/3)	+5.1V-2	4
(1/3)	-8V	5
(1/3)	+8V-2	6

MS-58 (CN2)

	MS BOARD	CN144			MS BOARD	
	SHEET NO.	SIGNAL NAME		SIGNAL NAME	SHEET NO.	
	(1/3)	GND	1 26	SC1	(1/3)	124-107
124-109	(1/3)	SCK	2 27	SC2	(1/3)	124-110
124-74	(1/3)	TAPE BEGIN	3 28	TAPE END	(1/3)	124-73
124-78	(1/3)	H:CTL REC	4 29	SWITCHED CTL	(1/3)	124-75
	(1/3)	GND	5 30	CTL SIG	(1/3)	124-76
124-79	(1/3)	REC CTL	6 31	SHAPED LOADING FG	(2/3)	124-80
124-82	(2/3)	CAPSTAN FG(A)NOR	7 32	CAPSTAN FG(B)NOR	(2/3)	124-81
124-84	(2/3)	CAPSTAN FG(A)	8 33	CAPSTAN FG(B)	(2/3)	124-83
124-85	(2/3)	SHAPED S REEL FG B	9 34	SHAPED S REEL FG A	(2/3)	124-86
124-87	(2/3)	SHAPED T REEL FG B	10 35	SHAPED T REEL FG A	(2/3)	124-88
124-90	(1/3)	SYS POWER CONT	11 36	L:DRUM REC EN	(1/3)	124-89
124-94	(3/3)	DRUM FG	12 37	DRUM PG	(3/3)	124-93
	(1/3)	GND	13 38	CAPSTAN PWM	(3/3)	124-97
124-98	(3/3)	DRUM PWM	14 39	S REEL PWM	(3/3)	124-102
124-100	(3/3)	LOADING PWM	15 40	I/O RESET	(1/3)	124-104
124-101	(3/3)	T REEL PWM	16 41	S REEL DIR	(3/3)	124-106
	(1/3)	GND	17 42	T REEL DIR	(3/3)	124-105
124-103	(1/3)	CTL GAIN	18 43	CAPSTAN DIR	(3/3)	124-108
124-111	(3/3)	H:MAG CONT	19 44	+13V	(3/3)	141-8
124-114	(3/3)	CAPSTAN CURRENT	20 45	TENTION SENS CUR	(2/3)	124-113
	(3/3)	NC	21 46	NC	(3/3)	
124-118	(2/3)	CAPSTAN FG A ANA	22 47	CAPSTAN FG B ANA	(2/3)	124-117
124-120	(2/3)	S TENTION	23 48	T TENTION	(2/3)	124-119
124-122	(1/3)	XBUSY	24 49	SC RDY	(1/3)	124-77
	(1/3)	GND	25 50	CAP MOTOR DIR	(1/3)	124-121

POWER SUPPLY (CN252)

CN150	
SIGNAL NAME	
GND	1
GND	2
-8V	3
-8V	4
FAN MOTOR CHECK	5
+12V (FAN)	6
GND-3	7
NC	8

POWER SUPPLY (CN254)

CN152	
SIGNAL NAME	
+8V-2	1
+8V-2	2
GND	3

POWER SUPPLY (CN254)

CN153	
SIGNAL NAME	
+3.4V	1
+3.4V	2
+5.1V	3
+5.1V	4
+2.5V	5
+8V	6
GND	7
GND	8
+15V	9
GND	10

POWER SUPPLY (CN254)

CN151	
SIGNAL NAME	
+3.4V-2	1
+3.4V-2	2
+5.1V-2	3
+5.1V-2	4
GND	5
-15V	6
GND	7

TC-102 (CN140)

	TC BOARD	CN140			TC BOARD	
	SHEET NO.	SIGNAL NAME		SIGNAL NAME	SHEET NO.	
122-121	(1/1)	REC LTC	1 13	PB LTC	(1/1)	122-123
116-40	(1/1)	LTC H:PB/L:REC	2 14	H:LTC HPF ON	(1/1)	116-38
116-39	(1/1)	L:LTC EQ NORM	3 15	L:LTC REC GAIN U	(1/1)	116-43
116-44	(1/1)	L:LTC PB GAIN U	4 16	+15V	(1/1)	
	(1/1)	+8V	5 17	+5.1V	(1/1)	
	(1/1)	GND	6 18	GND	(1/1)	
	(1/1)	-8V	7 19	-15V	(1/1)	
116-110	(1/1)	ERASE CLK	8 20	POWER ON MUTE2	(1/1)	117-16
116-37	(1/1)	H:REC MODE	9 21	H:LTC ERASE ON	(1/1)	116-42
116-41	(1/1)	H:FULL ERASE ON	10 22	NC	(1/1)	
104-99	(1/1)	LTC REC CURR(X)	11 23	LTC REC CURR(G)	(1/1)	104-100
	(1/1)	NC	12 24	NC	(1/1)	

-8V — C20 10 25V — GND IN OUT — C21 10 25V — -5V

IC20 NJM79L05A -T1

CN143	
SIGNAL NAME	
+5.1V	1
GND	2
-5V	3
TF SIO	4
TF R REQ	5
TF CK	6
TF CS	7
SYS RESET5 L	8
TF PCON	9
TF S REQ	10

REAR FAN

+12V (FAN) MB-818 (7/13)

CN160	
SIGNAL NAME	
+12V (FAN)	1
GND-3	2
FAN MOTOR CHECK2	3

124-124

MD FAN

+12V CONT MB-818 (7/13)

CN161	
SIGNAL NAME	
+12V CONT	1
GND-3	2
FAN MOTOR CHECK3	3

124-125

CN162	
SIGNAL NAME	
+15V	1
NC	2
GND	3

KY-438 (CN145)

	KY BOARD	CN145			KY BOARD	
	SHEET NO.	SIGNAL NAME		SIGNAL NAME	SHEET NO.	
	(1/3)	GND	1 11	GND	(1/3)	
	(1/3)	GND	2 12	GND	(1/3)	
	(1/3)	+8V-L101	3 13	+8V-L101	(1/3)	
	(1/3)	+8V-L101	4 14	+8V-L101	(1/3)	
	(1/3)	KEY TX (+)	5 15	KEY RX (+)	(1/3)	
	(1/3)	GND	6 16	GND	(1/3)	
	(1/3)	KEY TX (-)	7 17	KEY RX (-)	(1/3)	
	(1/3)	GND	8 18	GND	(1/3)	
	(1/3)	+8V-L102	9 19	+8V-L102	(1/3)	
	(1/3)	GND	10 20	GND	(1/3)	

+8V — L101 4.7μH — FL121 FL — 123-70

123-71 — FL122 FL — L102 4.7μH — +8V

FL123 FL — 123-72

FL124 FL — 123-73

Motherboard, Remote control connectors
(REMOTE1 (9P), RS-232C, VIDEO CONTROL, CONTROL PANEL)

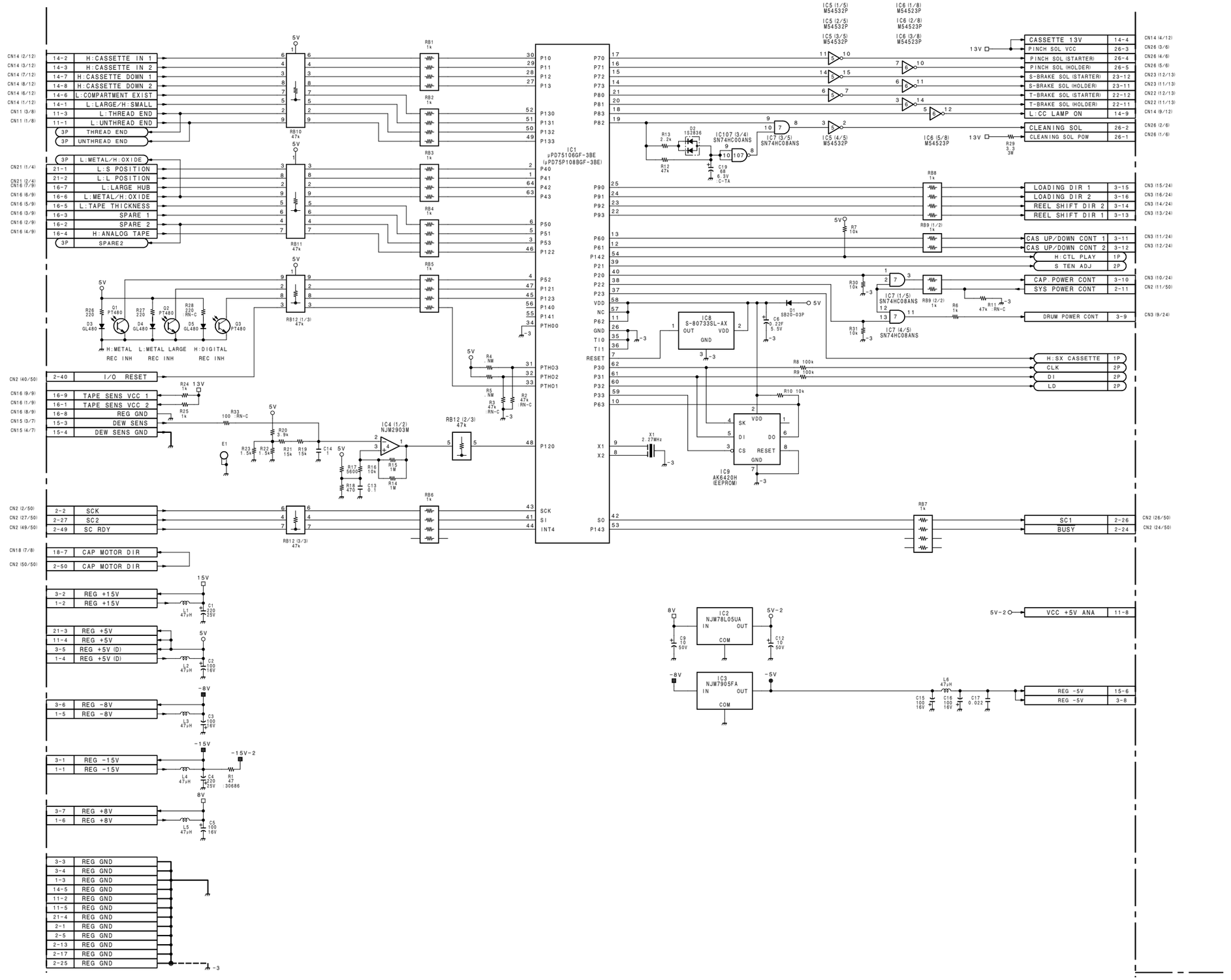
MB-818 (13/13)

BOARD NO. 1-670-599-11
LOT NO. 804- (MB-818: For DNW-A75/A75P)
LOT NO. 807- (MB-818C: For DNW-A65/A65P)
LOT NO. 905- (MB-818E: For DNW-75/75P)
LOT NO. 905- (MB-818F: For DNW-65/65P)

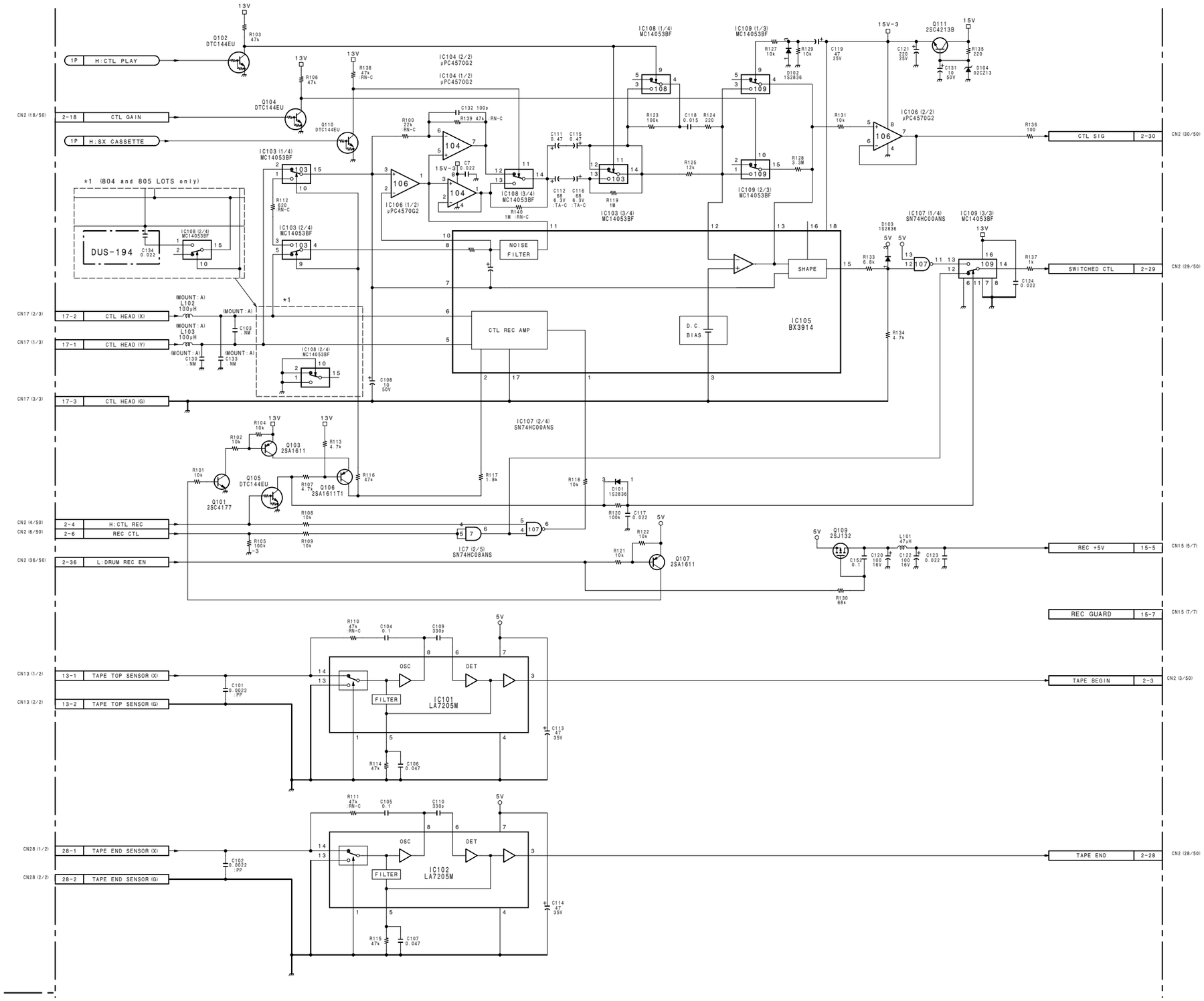
B-¥DNWA75-MB818-11@/M

MS-58 (1/3)

コネクタの接続先についてはFrame Wiring（3-218/222 ページ）を参照。
Refer to the Farme Wiring (Page 3-218/222) in regard to destinations of connectors.



3-116



Solenoids driver (Pinch, Brakes, Cleaning), Sensors input

MS-58 (1/3) (For DNW-75/75P/65/65P)

BOARD NO. 1-670-618-11
LOT NO. 906-

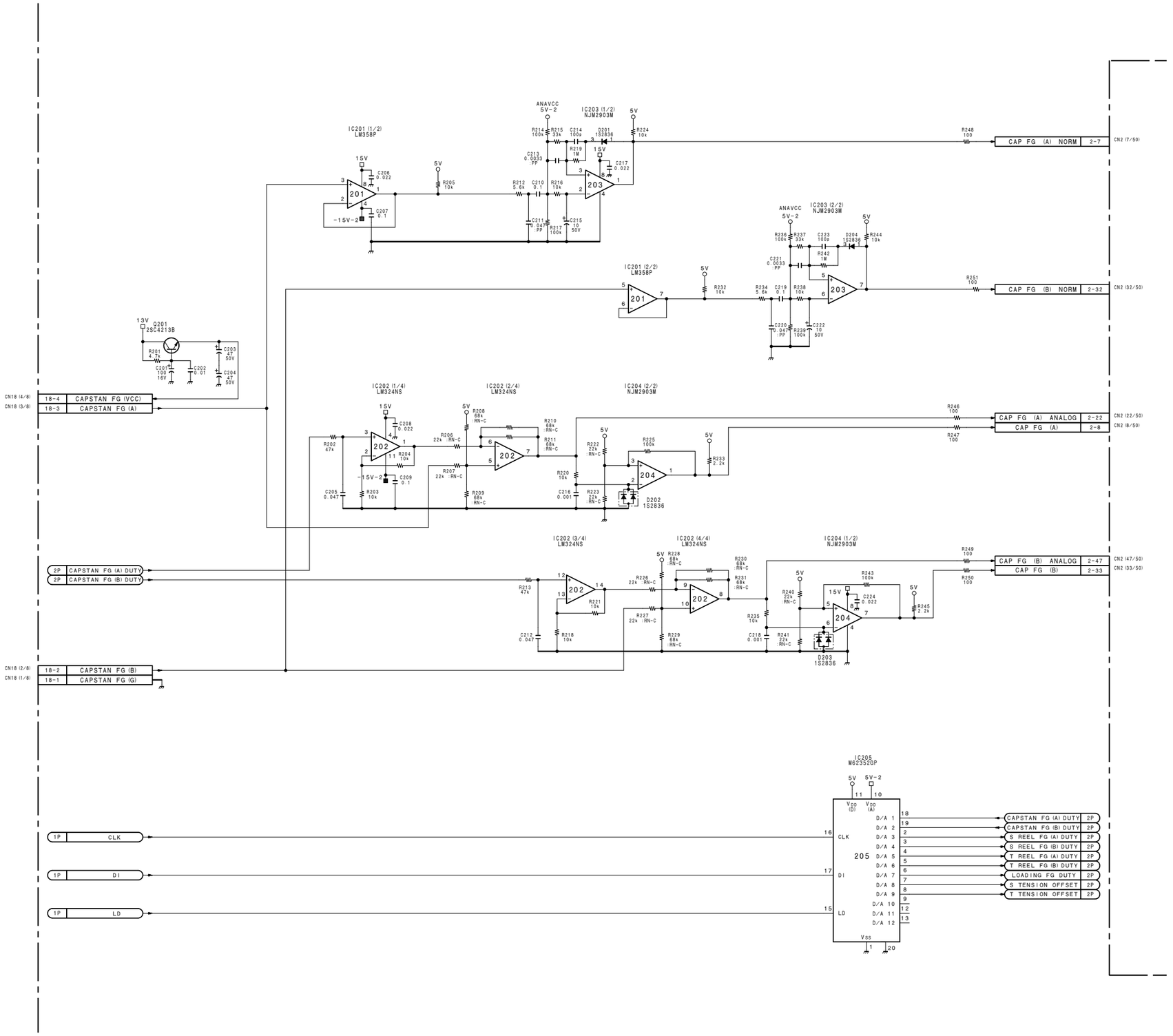
Solenoids driver (Pinch, Brakes, Cleaning), Sensors input, Demagnetization head driver

MS-58 (1/3) (For DNW-A75/A75P/A65/A65P)

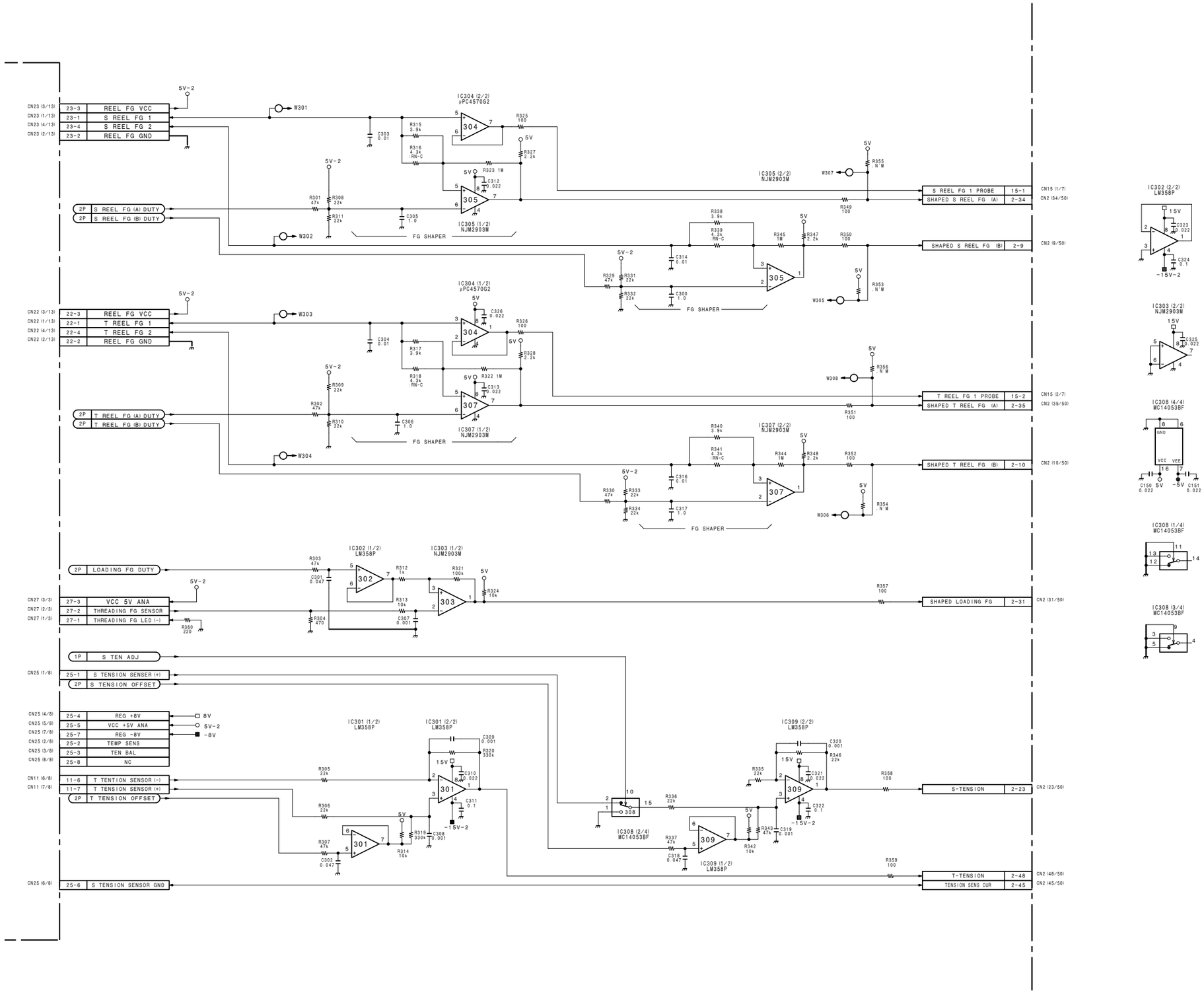
BOARD NO. 1-670-618-11
LOT NO. 804-

B-¥DNWA75-MS58-11/M

MS-58 (2/3)


IC201 (1/2) LM358P
IC201 (2/2) LM358P
IC202 (1/4) LM324NS
IC202 (2/4) LM324NS
IC202 (3/4) LM324NS
IC202 (4/4) LM324NS
IC203 (1/2) NJM2903M
IC203 (2/2) NJM2903M
IC204 (1/2) NJM2903M
IC204 (2/2) NJM2903M
IC205 M62352GP
Q201 2SC4213B
D201 1S2836
D202 1S2836
D203 1S2836
D204 1S2836
ANAVCC 5V-2
-15V-2
CN18 (4/8) 18-4 CAPSTAN FG (VCC)
CN18 (3/8) 18-3 CAPSTAN FG (A)
2P CAPSTAN FG (A) DUTY
2P CAPSTAN FG (B) DUTY
CN18 (2/8) 18-2 CAPSTAN FG (B)
CN18 (1/8) 18-1 CAPSTAN FG (G)
1P CLK
1P DI
1P LD
CAP FG (A) NORM 2-7 CN2 (7/50)
CAP FG (B) NORM 2-32 CN2 (32/50)
CAP FG (A) ANALOG 2-22 CN2 (22/50)
CAP FG (A) 2-8 CN2 (8/50)
CAP FG (B) ANALOG 2-47 CN2 (47/50)
CAP FG (B) 2-33 CN2 (33/50)
CAPSTAN FG (A) DUTY 2P
CAPSTAN FG (B) DUTY 2P
S REEL FG (A) DUTY 2P
S REEL FG (B) DUTY 2P
T REEL FG (A) DUTY 2P
T REEL FG (B) DUTY 2P
LOADING FG DUTY 2P
S TENSION OFFSET 2P
T TENSION OFFSET 2P

3-118



Solenoids driver (Pinch, Brakes, Cleaning), Sensors input

MS-58 (2/3) (For DNW-75/75P/65/65P)

BOARD NO. 1-670-618-11
LOT NO. 906-

Solenoids driver (Pinch, Brakes, Cleaning), Sensors input, Demagnetization head driver

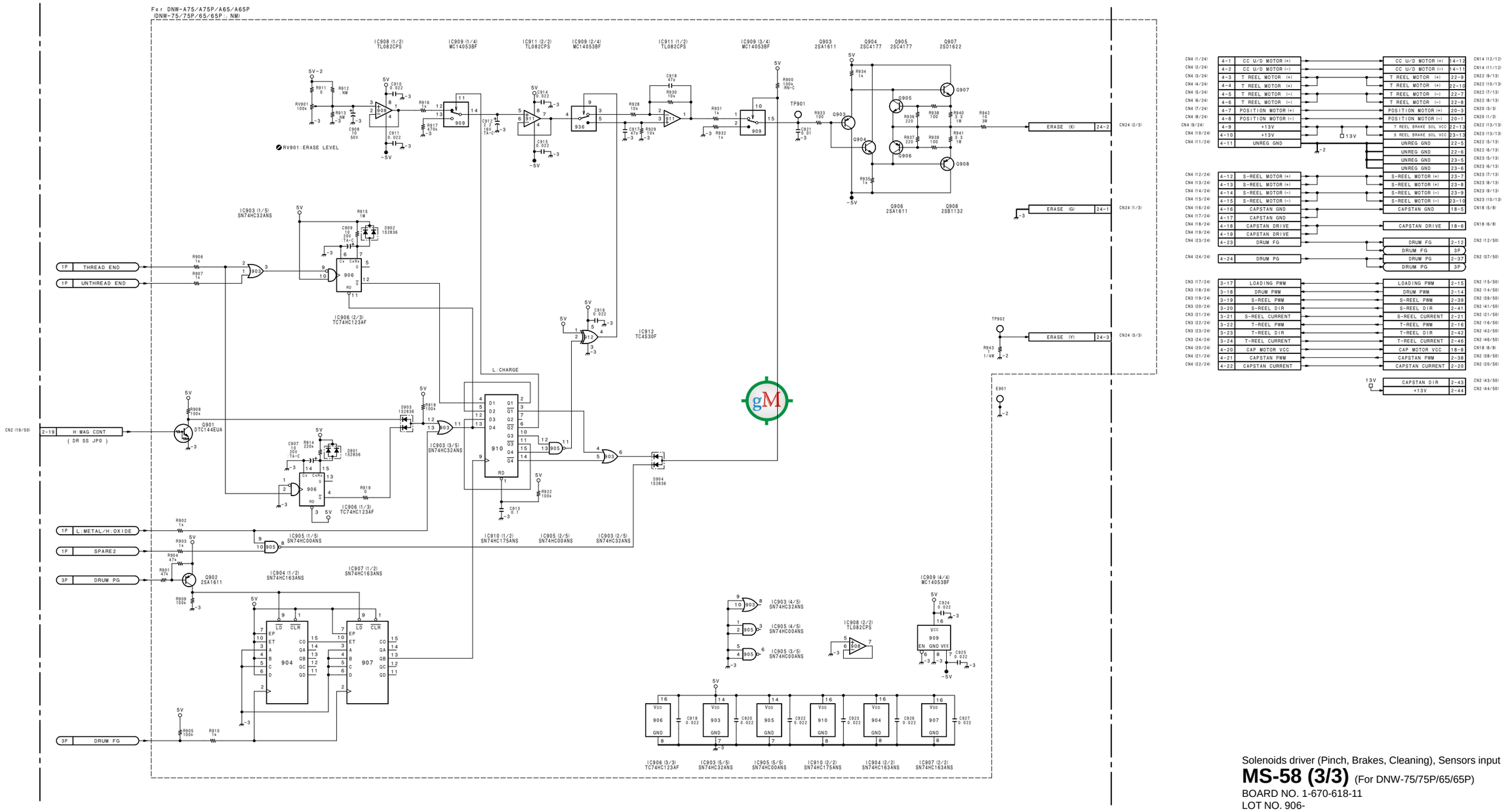
MS-58 (2/3) (For DNW-A75/A75P/A65/A65P)

BOARD NO. 1-670-618-11
LOT NO. 804-

B-¥DNWA75-MS58-11/M

DNW-75/75P
DNW-65/65P

MS-58 (3/3)



Solenoids driver (Pinch, Brakes, Cleaning), Sensors input

MS-58 (3/3) (For DNW-75/75P/65/65P)

BOARD NO. 1-670-618-11
LOT NO. 906-

Solenoids driver (Pinch, Brakes, Cleaning), Sensors input, Demagnetization head driver

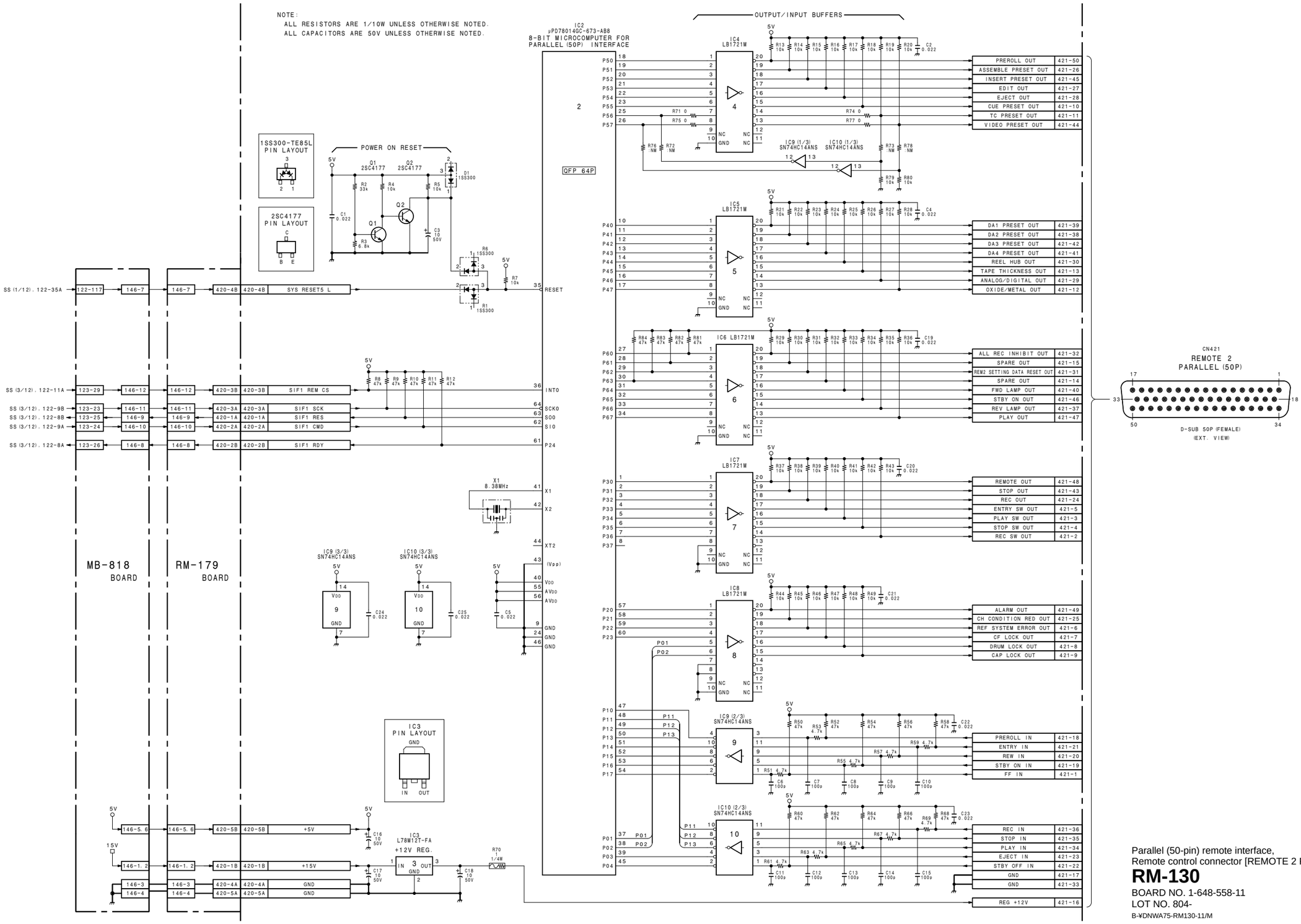
MS-58 (3/3) (For DNW-A75/A75P/A65/A65P)

BOARD NO. 1-670-618-11
LOT NO. 804-

B-¥DNWA75-MS58-11/M

3-120

コネクタの接続先についてはFrame Wiring（3-221/225 ページ）を参照。
Refer to the Farme Wiring (Page 3-221/225) in regard to destinations of connectors.



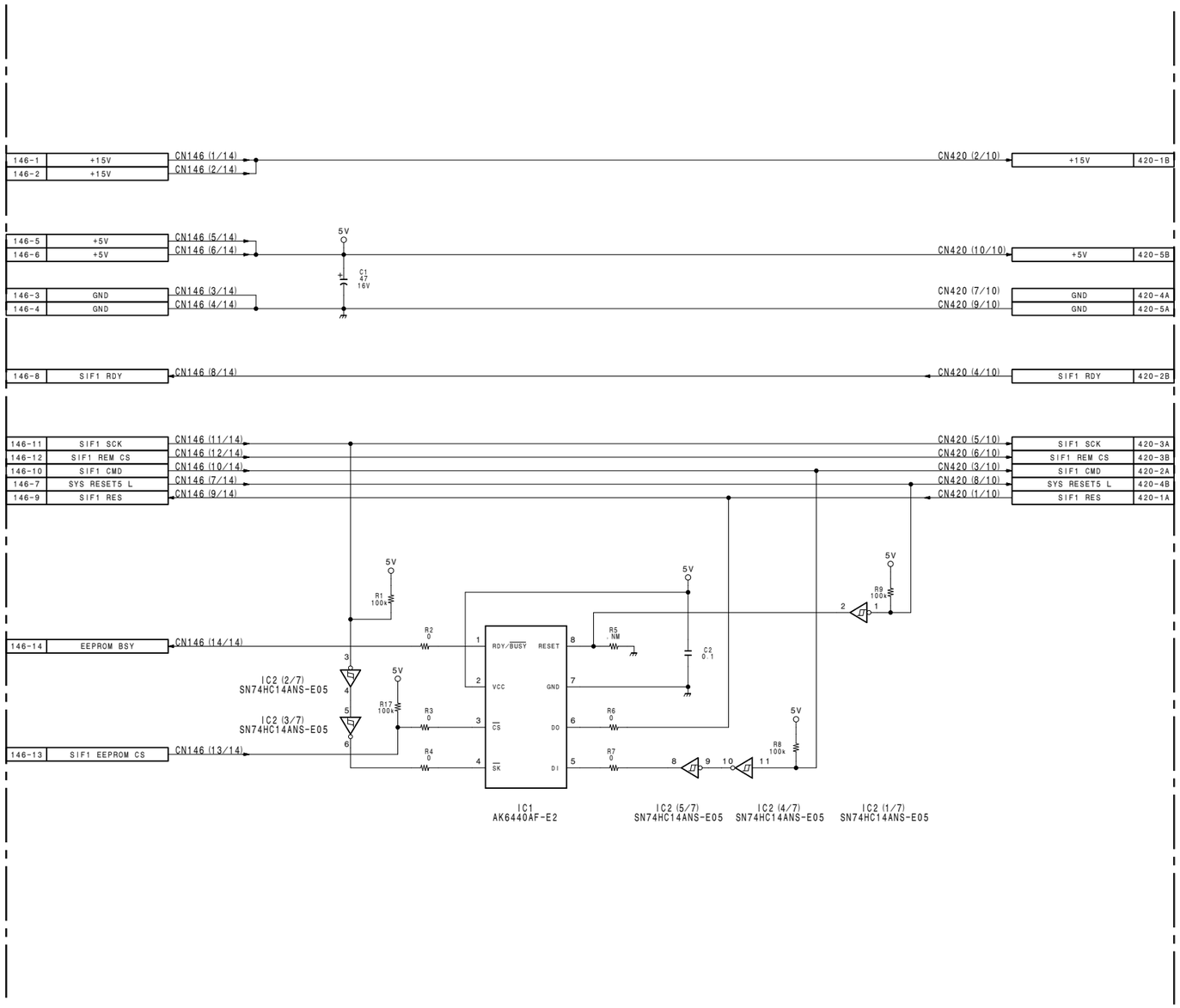
Parallel (50-pin) remote interface,
Remote control connector [REMOTE 2 PARALLEL (50P)]

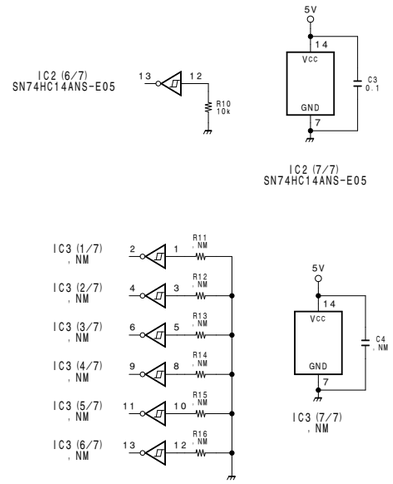
RM-130

BOARD NO. 1-648-558-11
LOT NO. 804-

B-¥DNWA75-RM130-11/M

コネクタの接続先についてはFrame Wiring（3-221/225 ページ）を参照。
Refer to the Farme Wiring (Page 3-221/225) in regard to destinations of connectors.



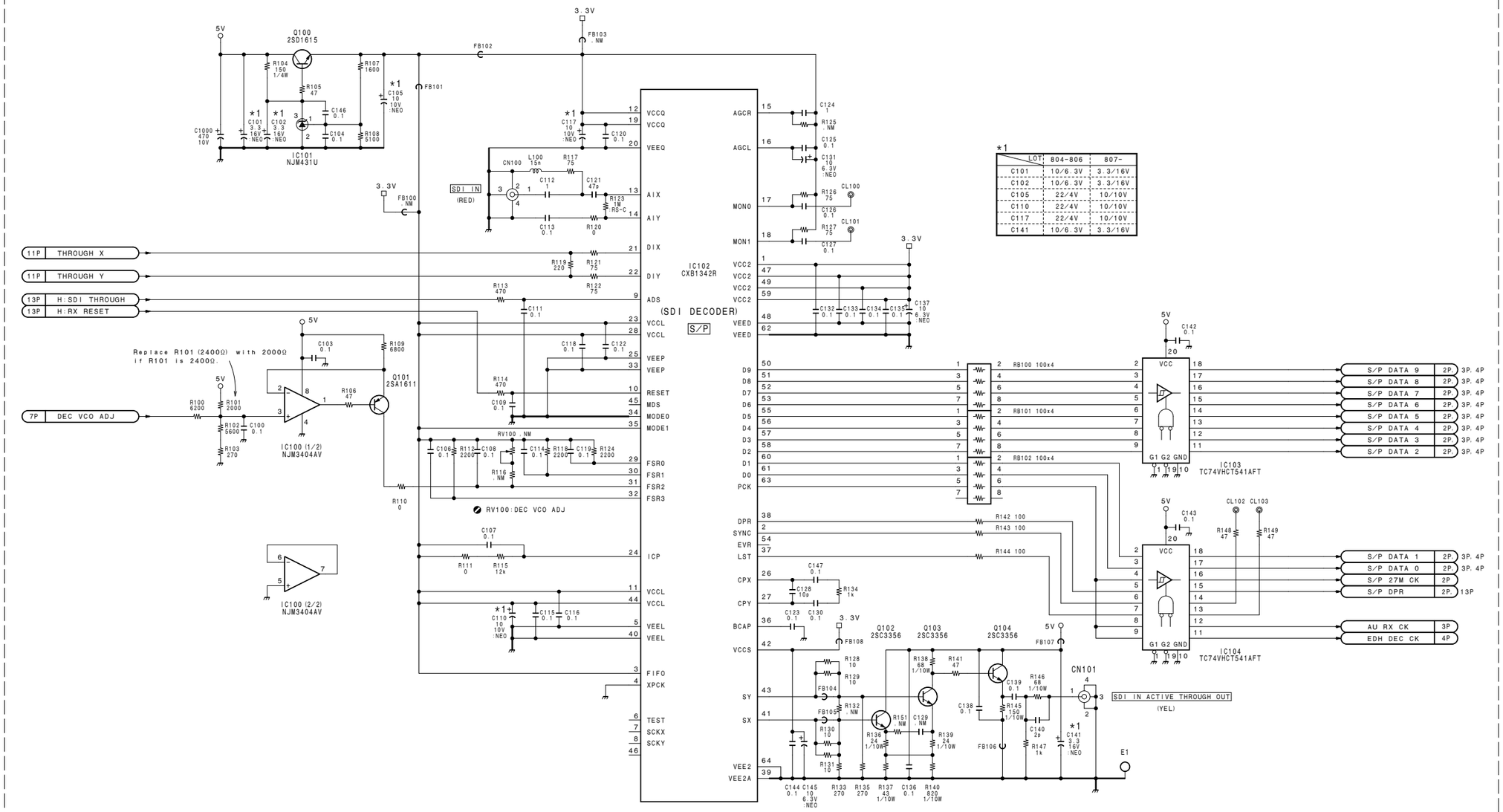


NV-RAM for Parallel (50-pin) remote interface
RM-179
BOARD NO. 1-670-600-11
LOT NO. 804-
B-¥DNWA75-RM179-11/M

DNW-75/75P
DNW-65/65P

コネクタの接続先についてはMB-818基板回路図（ 3-98 ページ）またはFrame Wiring（3-221/225 ページ）を参照。
Refer to the MB-818 board schematic diagrams (Page 3-98) or the Farme Wiring (Page 3-221/225) in regard to destinations of connectors.

For DNW-A75/A75P/75/75P
(DNW-A65/A65P/65/65P:No circuit)



*1

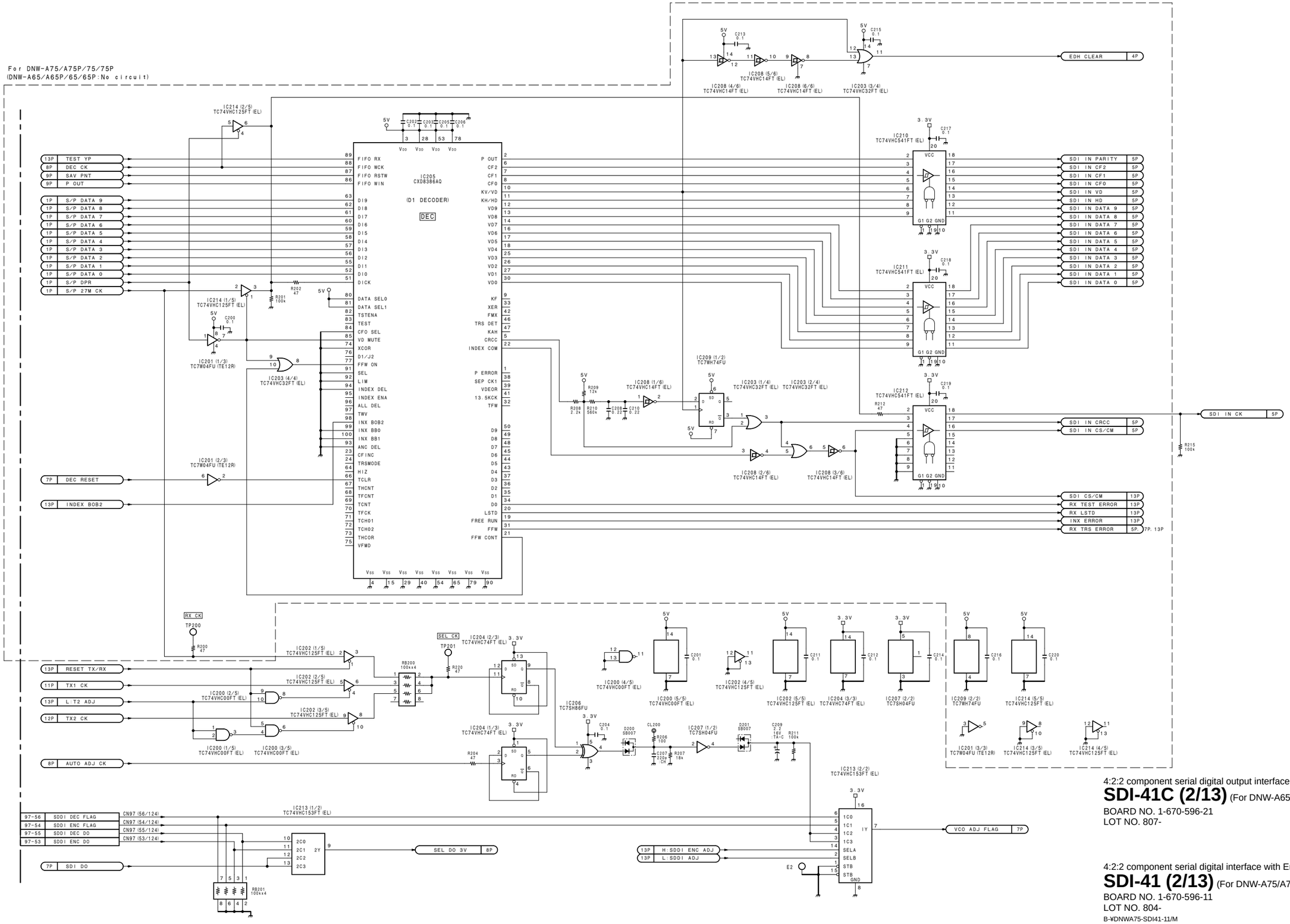
LOT	804-806	807-
C101	10/6.3V	3.3/16V
C102	10/6.3V	3.3/16V
C105	22/4V	10/10V
C110	22/4V	10/10V
C117	22/4V	10/10V
C141	10/6.3V	3.3/16V

4:2:2 component serial digital output interface with Embedded audio
SDI-41C (1/13) (For DNW-A65/A65P/65/65P)
BOARD NO. 1-670-596-21
LOT NO. 807-

4:2:2 component serial digital interface with Embedded audio
SDI-41 (1/13) (For DNW-A75/A75P/75/75P)
BOARD NO. 1-670-596-11
LOT NO. 804-
B-¥DNWA75-SDI41-11/M

DNW-75/75P
DNW-65/65P

SDI-41/41C (2/13)



4:2:2 component serial digital output interface with Embedded audio

SDI-41C (2/13) (For DNW-A65/A65P/65/65P)

BOARD NO. 1-670-596-21
LOT NO. 807-

4:2:2 component serial digital interface with Embedded audio

SDI-41 (2/13) (For DNW-A75/A75P/75/75P)

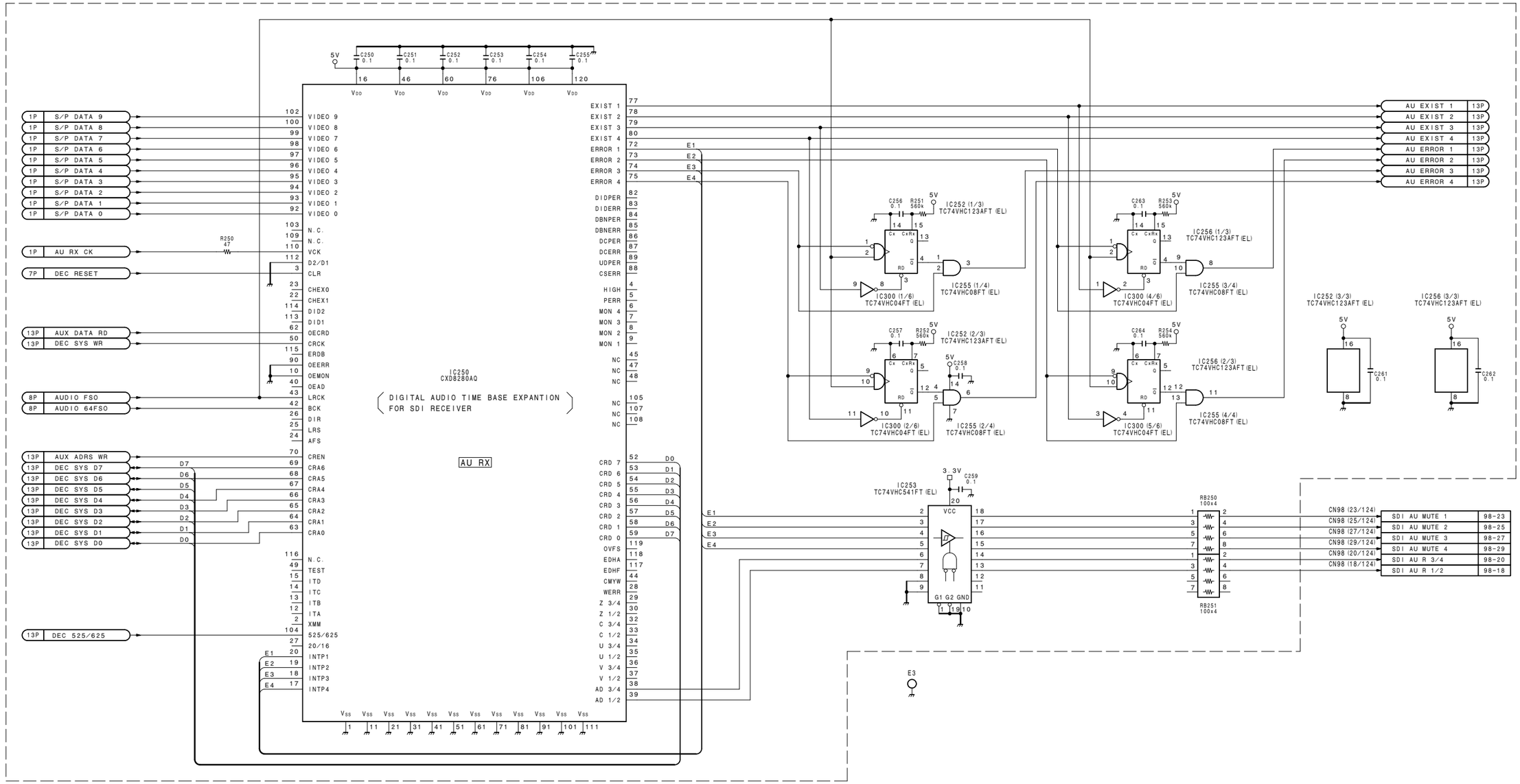
BOARD NO. 1-670-596-11
LOT NO. 804-

B-¥DNWA75-SDI41-11/M

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For DNW-A75/A75P/75/75P
(DNW-A65/A65P/65/65P:No circuit)



4:2:2 component serial digital output interface with Embedded audio

SDI-41C (3/13) (For DNW-A65/A65P/65/65P)

BOARD NO. 1-670-596-21
LOT NO. 807-

4:2:2 component serial digital interface with Embedded audio

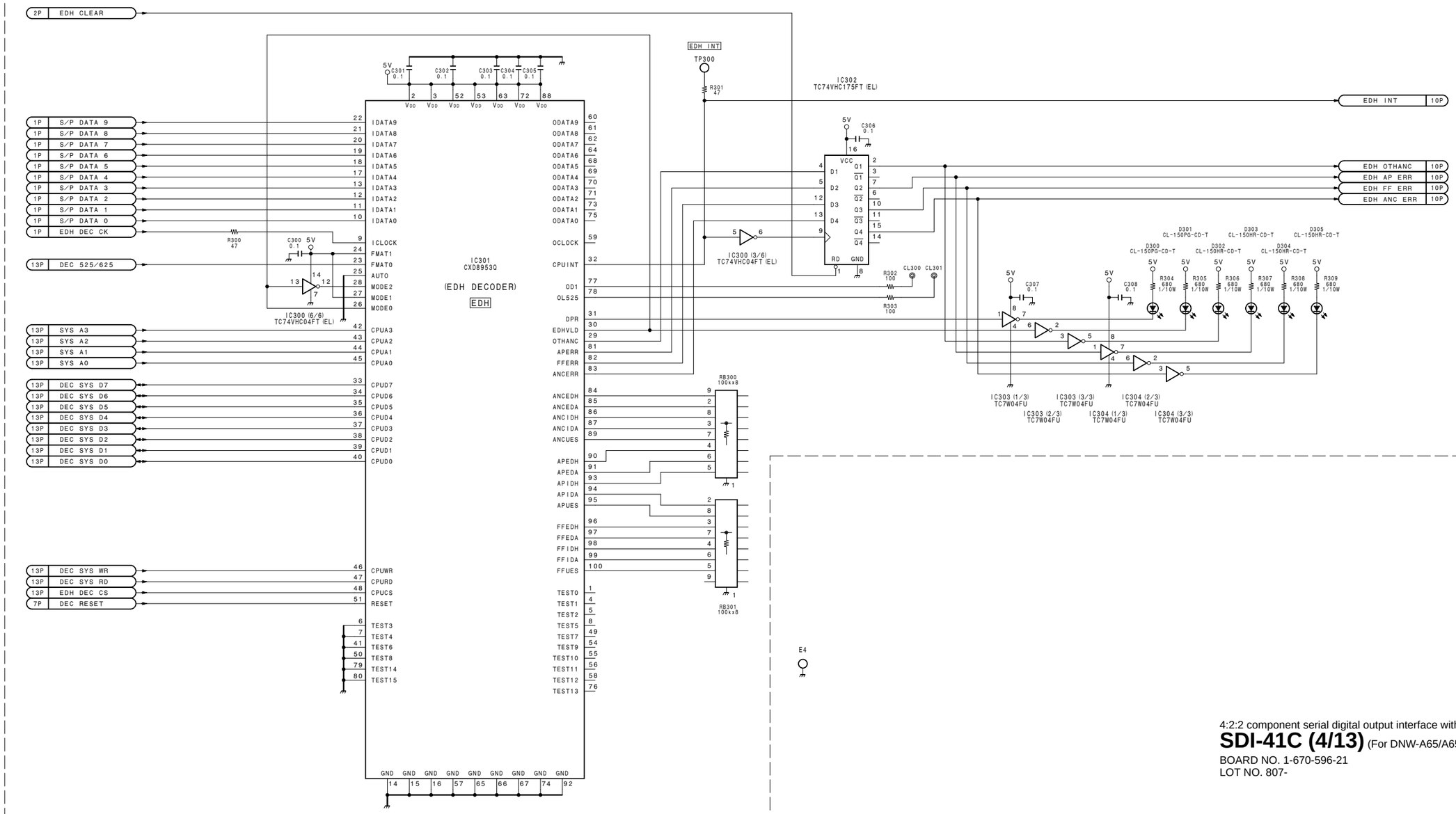
SDI-41 (3/13) (For DNW-A75/A75P/75/75P)

BOARD NO. 1-670-596-11
LOT NO. 804-

B-¥DNWA75-SDI41-11/M

SDI-41/41C (4/13)

For DNW-A75/A75P/75/75P
(DNW-A65/A65P/65/65P:No circuit)



4:2:2 component serial digital output interface with Embedded audio

SDI-41C (4/13) (For DNW-A65/A65P/65/65P)

BOARD NO. 1-670-596-21
LOT NO. 807-

4:2:2 component serial digital interface with Embedded audio

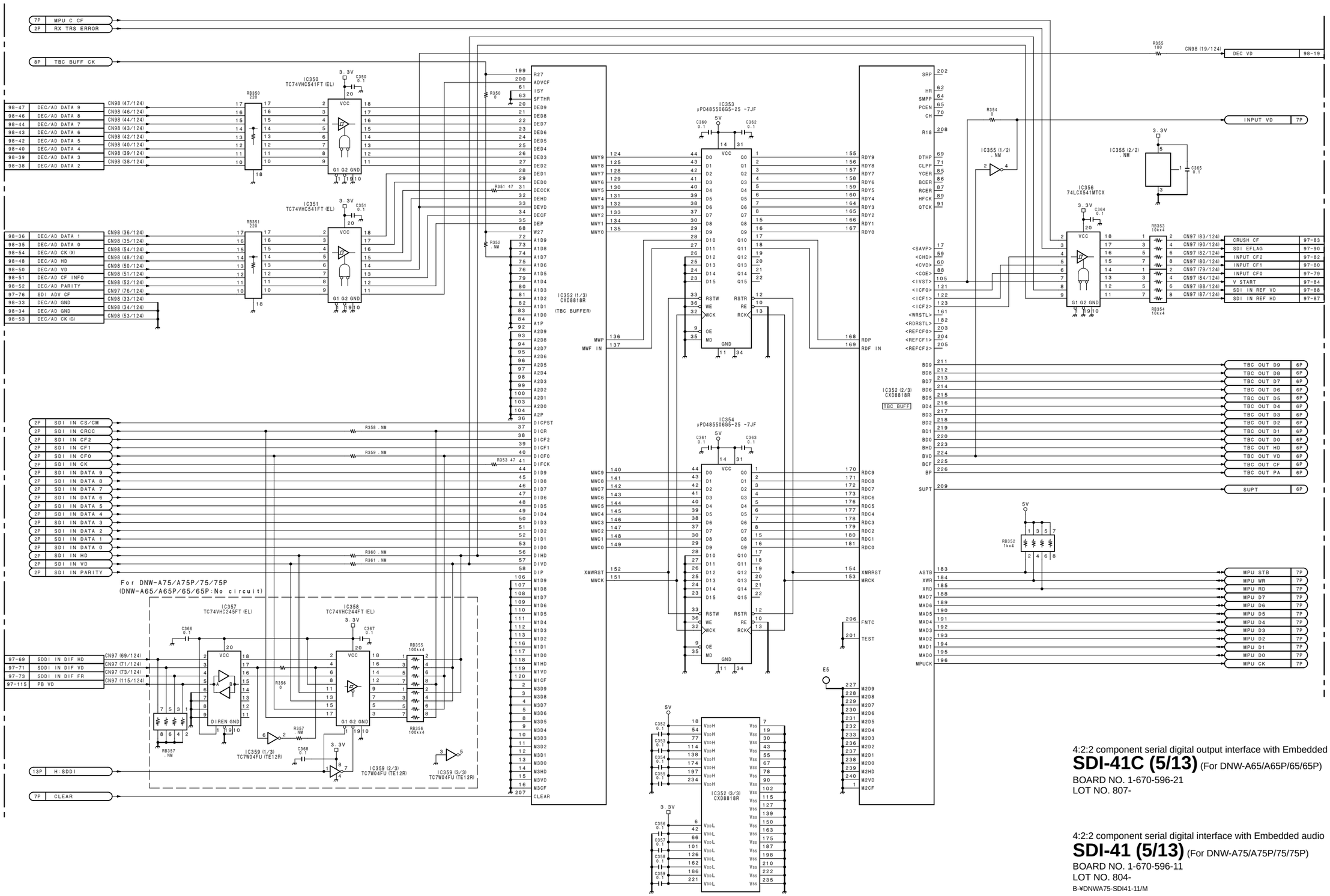
SDI-41 (4/13) (For DNW-A75/A75P/75/75P)

BOARD NO. 1-670-596-11
LOT NO. 804-

B-¥DNWA75-SDI41-11/M

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SDI-41/41C (5/13)



4:2:2 component serial digital output interface with Embedded audio

SDI-41C (5/13) (For DNW-A65/A65P/65/65P)

BOARD NO. 1-670-596-21
LOT NO. 807-

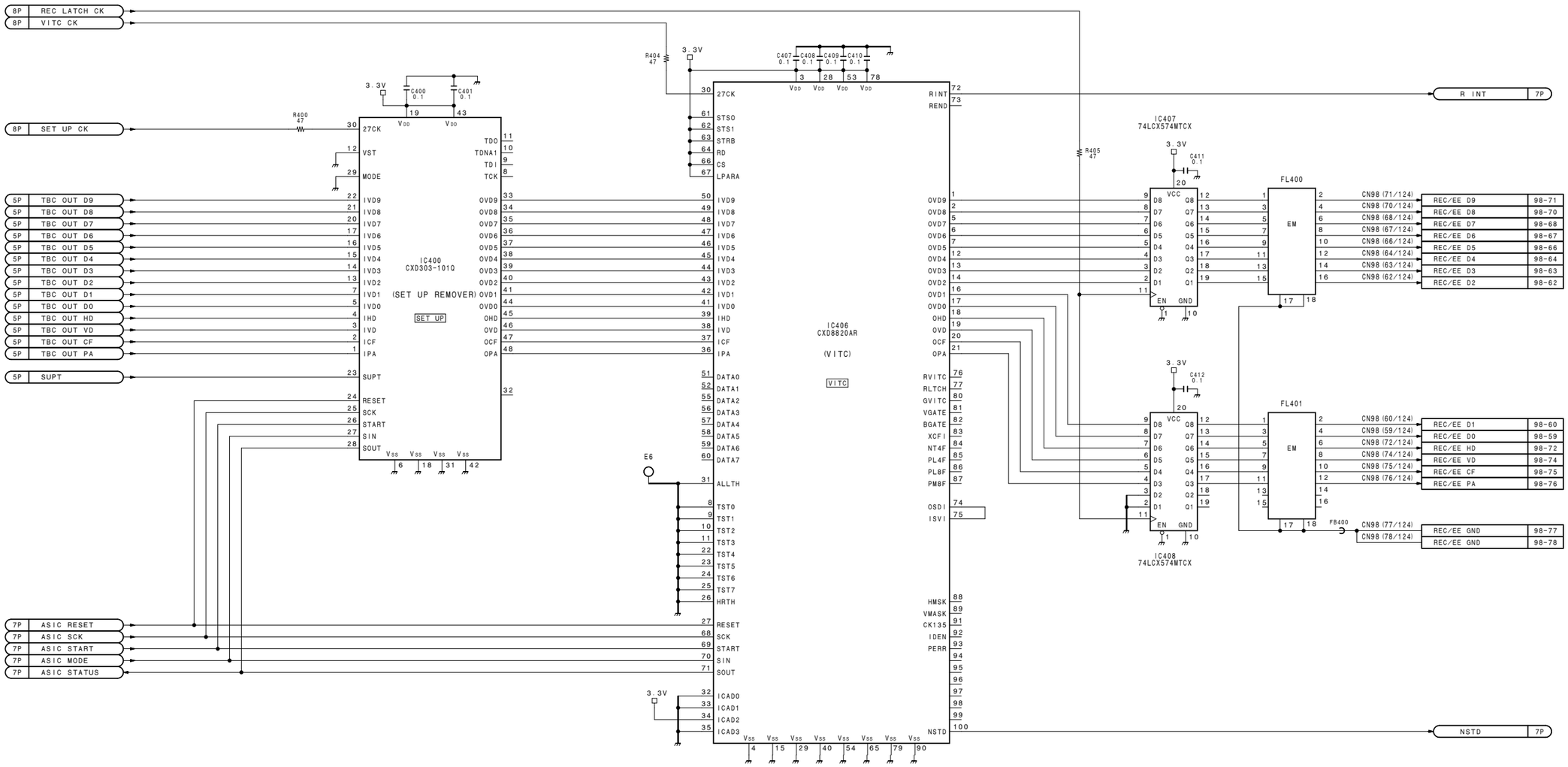
4:2:2 component serial digital interface with Embedded audio

SDI-41 (5/13) (For DNW-A75/A75P/75/75P)

BOARD NO. 1-670-596-11
LOT NO. 804-

B-¥DNWA75-SDI41-11/M

SDI-41/41C (6/13)



4:2:2 component serial digital output interface with Embedded audio

SDI-41C (6/13) (For DNW-A65/A65P/65/65P)

BOARD NO. 1-670-596-21
LOT NO. 807-

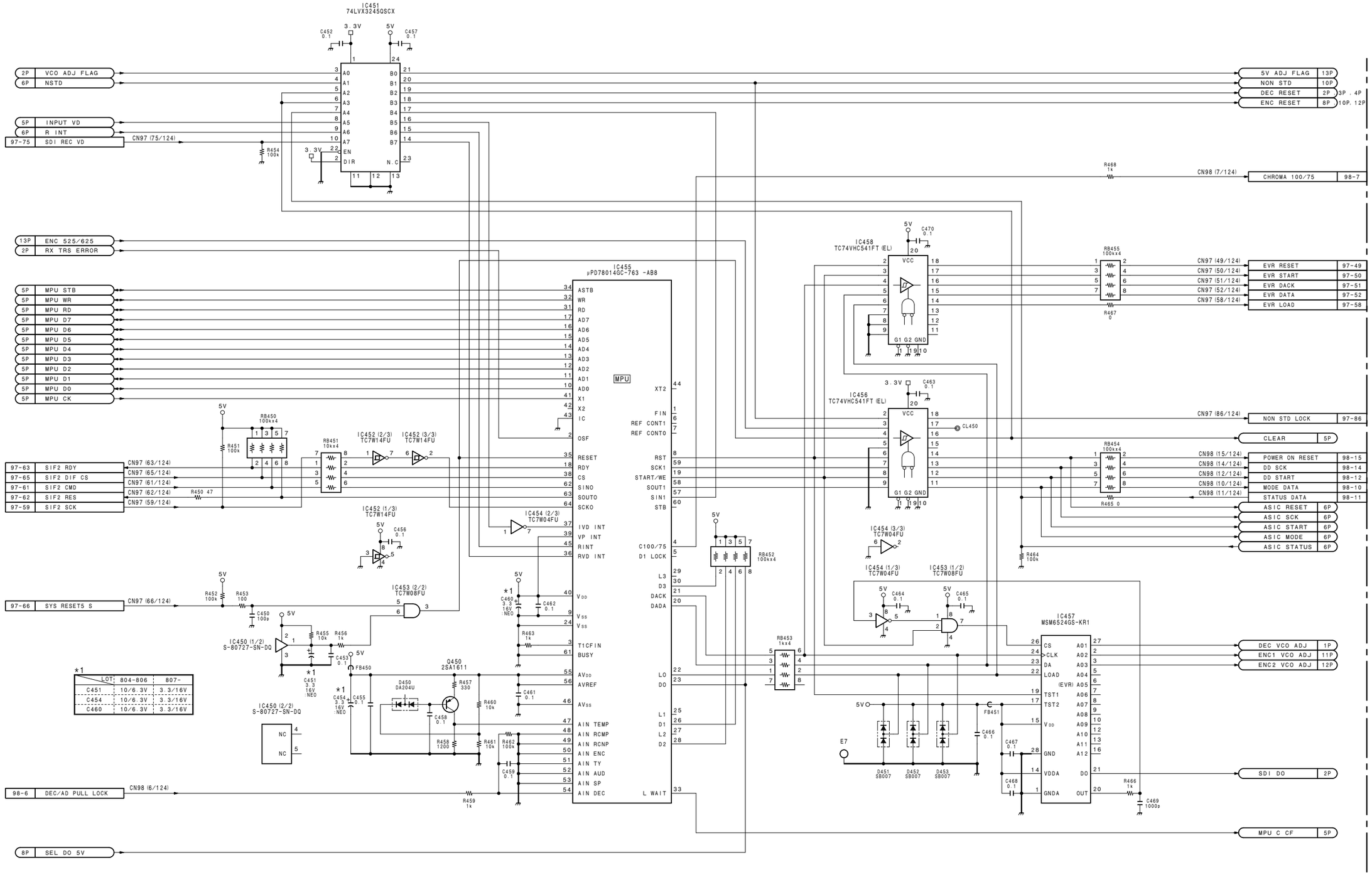
4:2:2 component serial digital interface with Embedded audio

SDI-41 (6/13) (For DNW-A75/A75P/75/75P)

BOARD NO. 1-670-596-11
LOT NO. 804-

B-¥DNWA75-SDI41-11/M

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4:2:2 component serial digital output interface with Embedded audio

SDI-41C (7/13) (For DNW-A65/A65P/65/65P)

BOARD NO. 1-670-596-21
LOT NO. 807-

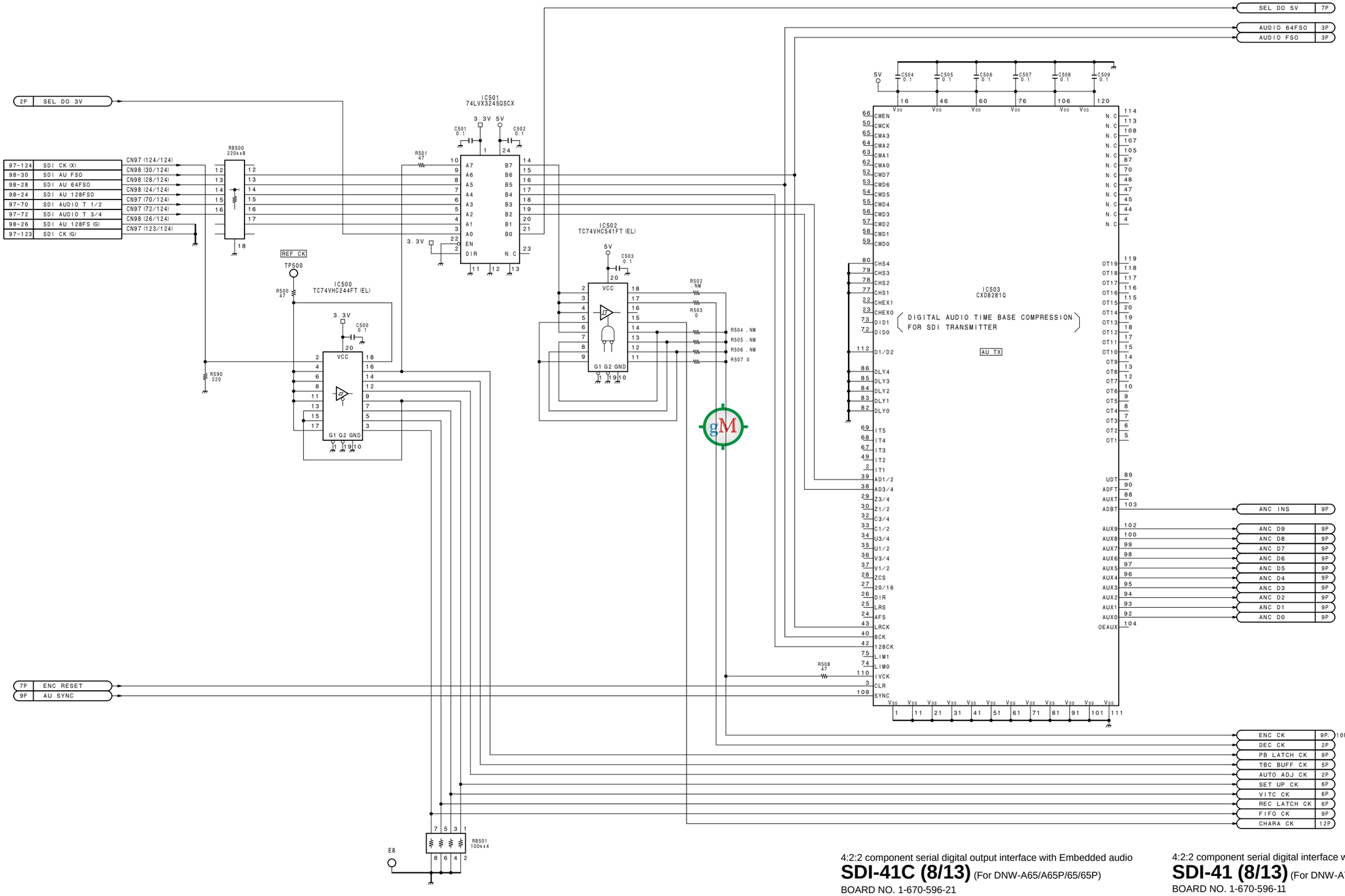
4:2:2 component serial digital interface with Embedded audio

SDI-41 (7/13) (For DNW-A75/A75P/75/75P)

BOARD NO. 1-670-596-11
LOT NO. 804-

B-¥DNWA75-SDI41-11/M

SDI-41/41C (8/13)



4:2:2 component serial digital output interface with Embedded audio

SDI-41C (8/13) (For DNW-A65/A65P/65/65P)

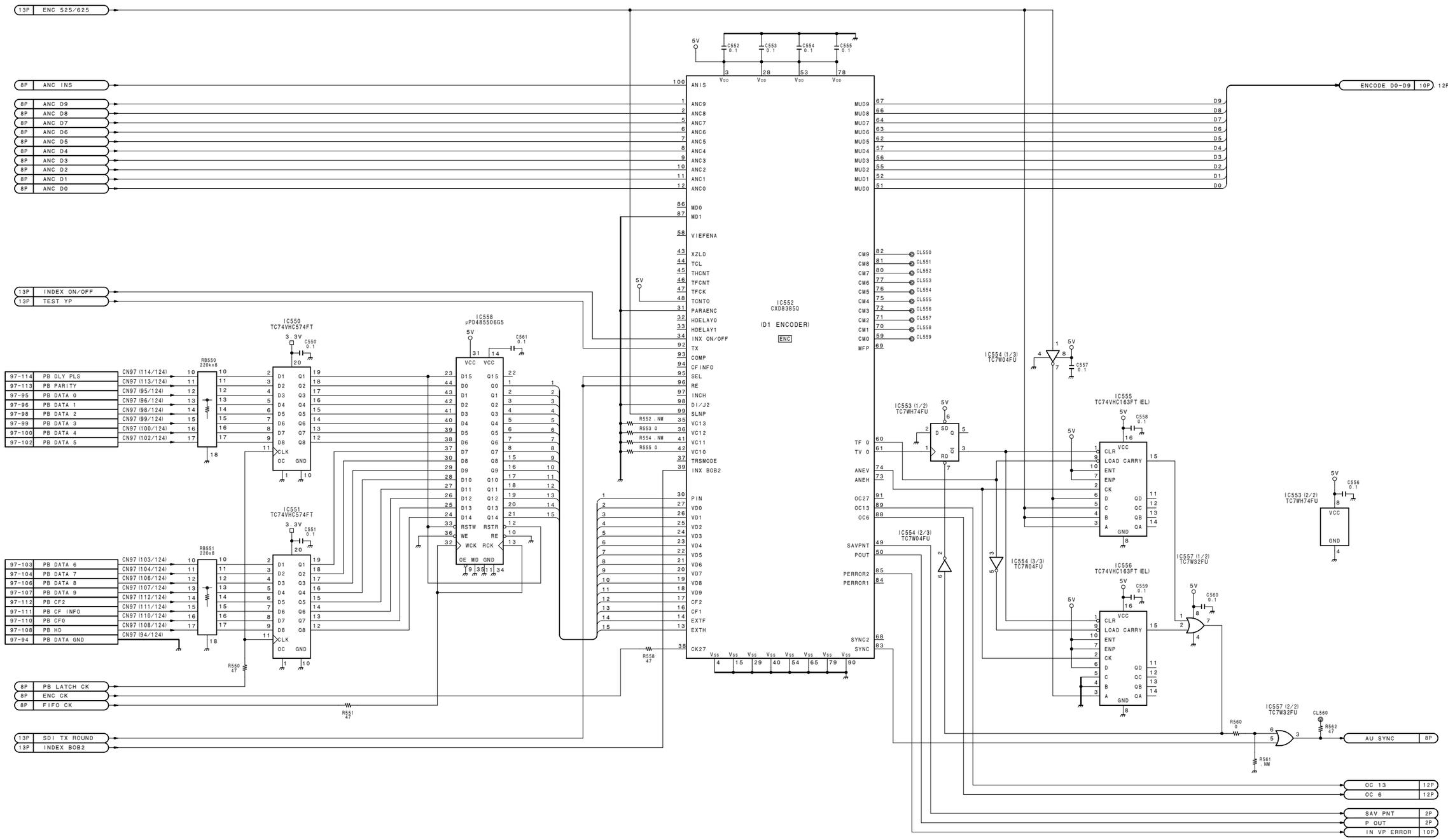
BOARD NO. 1-670-596-21
LOT NO. 807-

4:2:2 component serial digital interface with Embedded audio

SDI-41 (8/13) (For DNW-A75/A75P/75/75P)

BOARD NO. 1-670-596-11
LOT NO. 804-
B-¥DNWA75-SDI41-11/M

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4:2:2 component serial digital output interface with Embedded audio

SDI-41C (9/13) (For DNW-A65/A65P/65/65P)

BOARD NO. 1-670-596-21
LOT NO. 807-

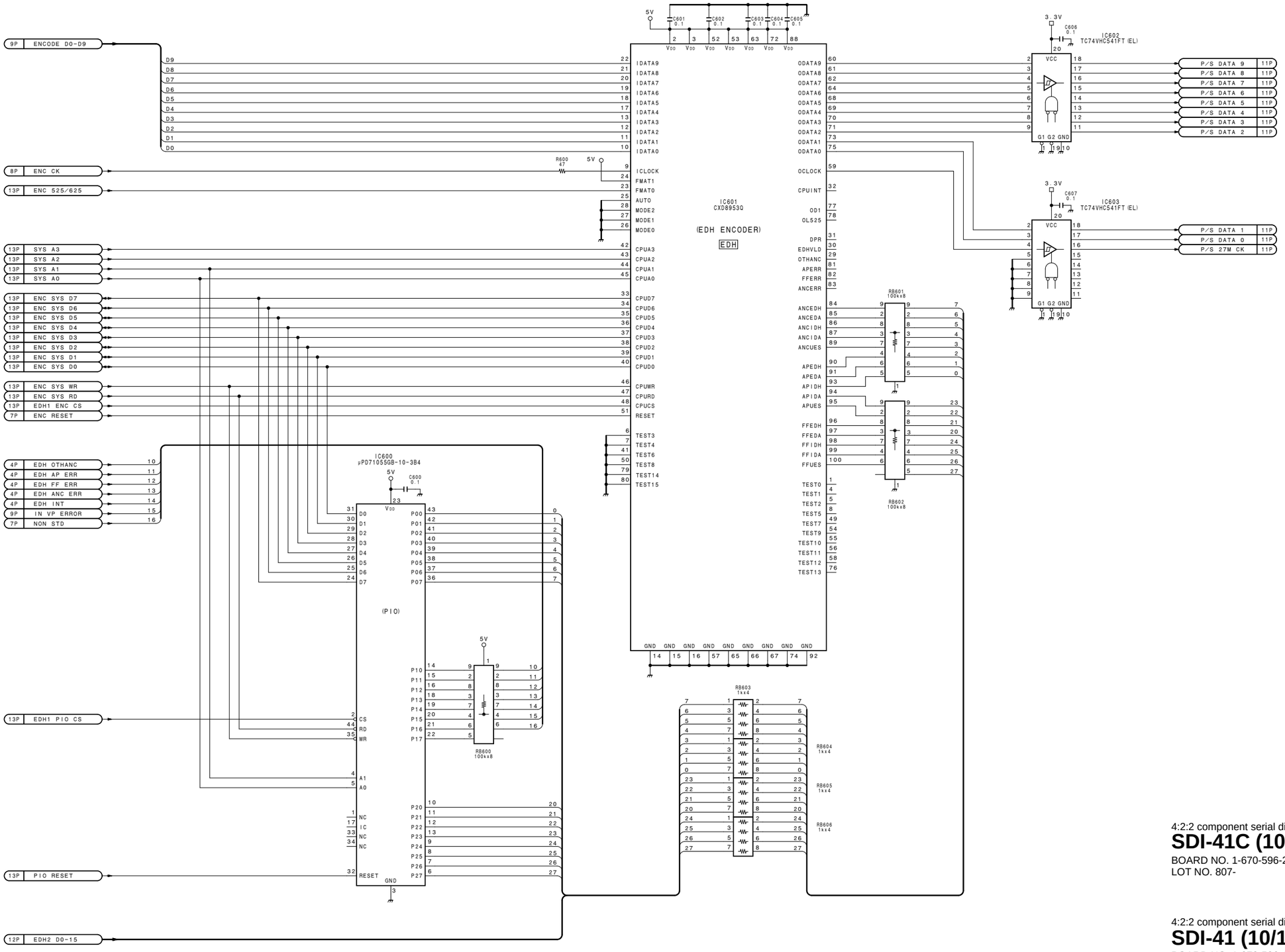
4:2:2 component serial digital interface with Embedded audio

SDI-41 (9/13) (For DNW-A75/A75P/75/75P)

BOARD NO. 1-670-596-11
LOT NO. 804-

B-¥DNWA75-SDI41-11/M

SDI-41/41C (10/13)



4:2:2 component serial digital output interface with Embedded audio

SDI-41C (10/13) (For DNW-A65/A65P/65/65P)

BOARD NO. 1-670-596-21
LOT NO. 807-

4:2:2 component serial digital interface with Embedded audio

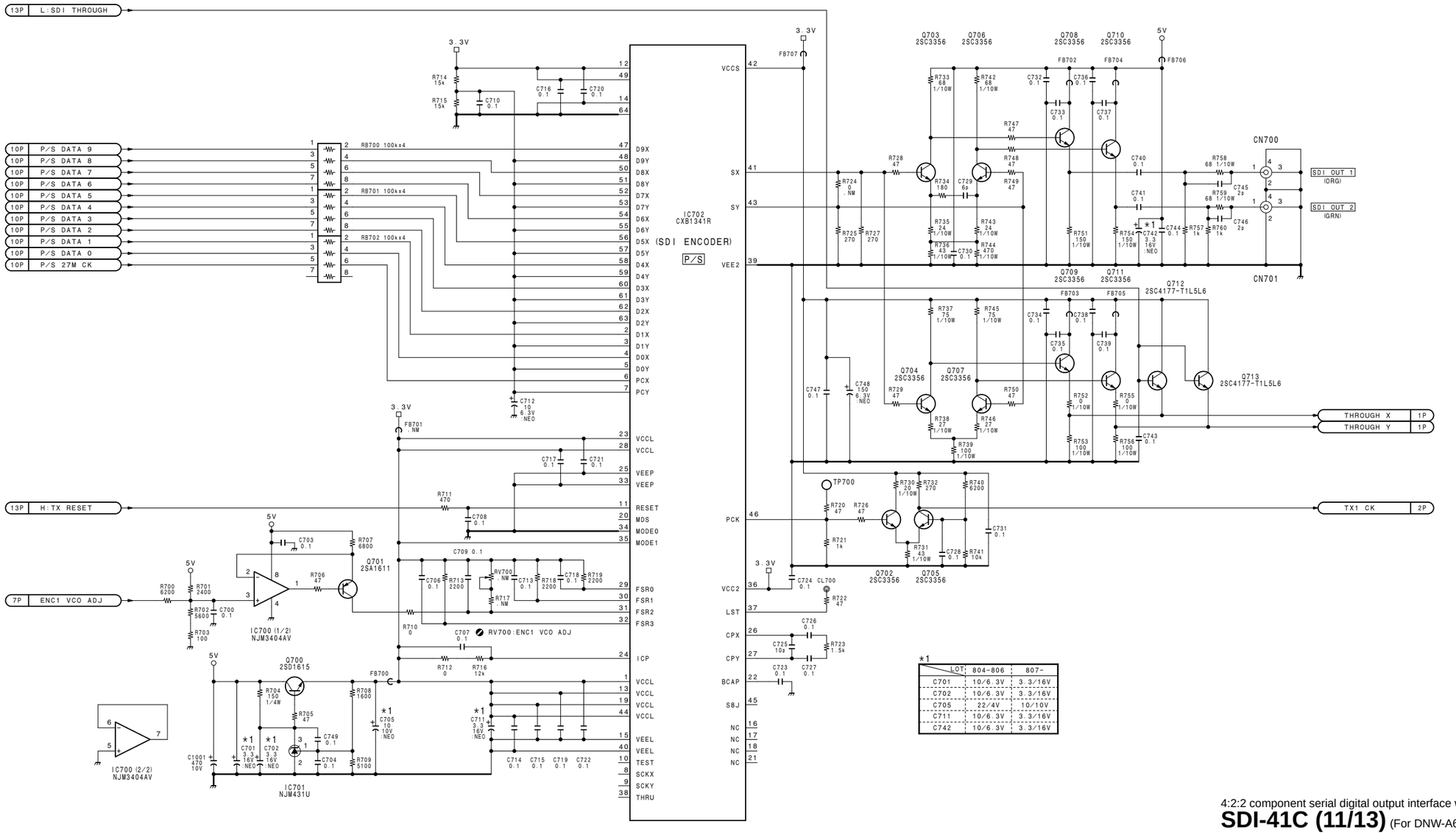
SDI-41 (10/13) (For DNW-A75/A75P/75/75P)

BOARD NO. 1-670-596-11
LOT NO. 804-

B-¥DNWA75-SDI41-11/M

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SDI-41/41C (11/13)



4:2:2 component serial digital output interface with Embedded audio

SDI-41C (11/13) (For DNW-A65/A65P/65/65P)

BOARD NO. 1-670-596-21
LOT NO. 807-

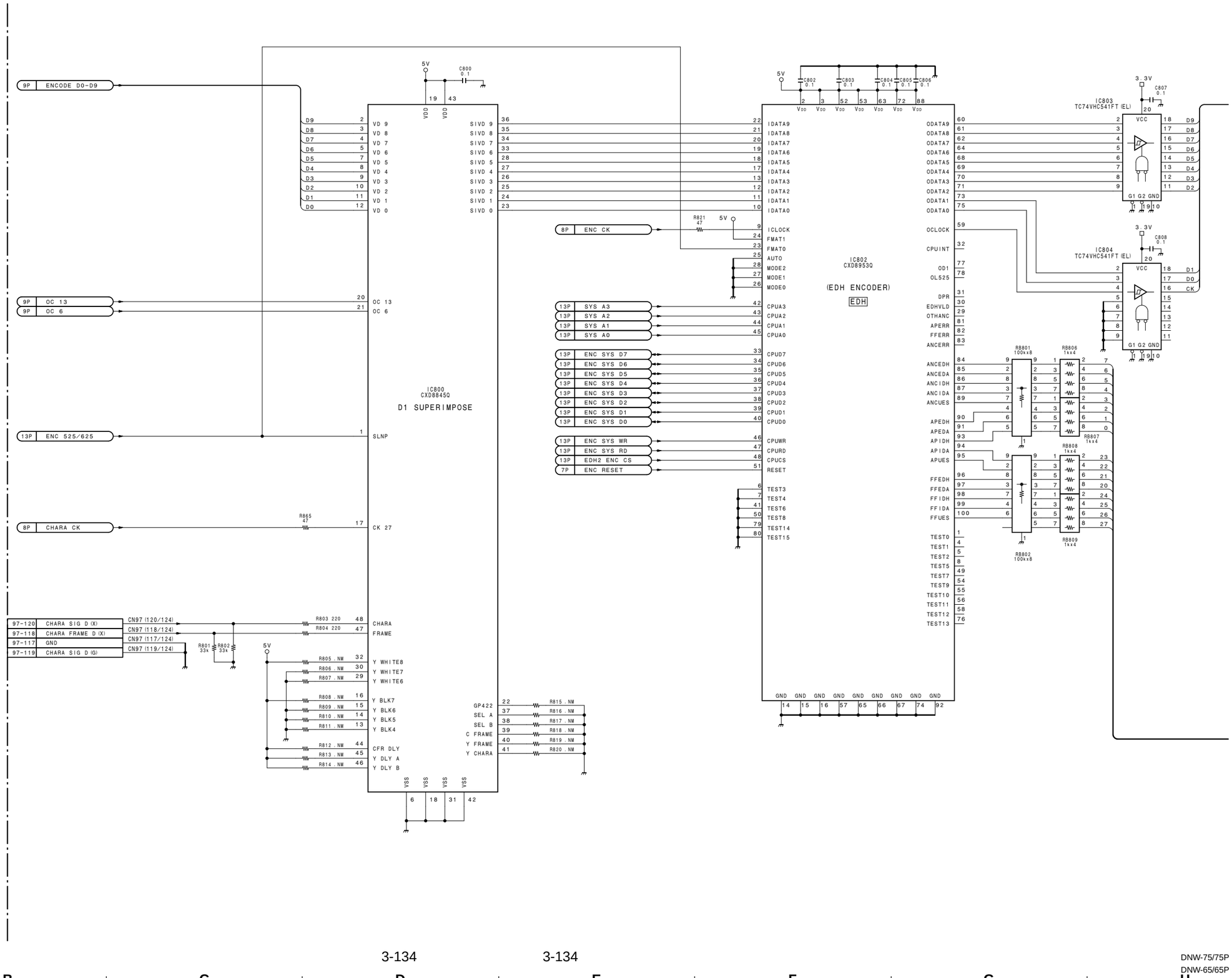
4:2:2 component serial digital interface with Embedded audio

SDI-41 (11/13) (For DNW-A75/A75P/75/75P)

BOARD NO. 1-670-596-11
LOT NO. 804-

B-¥DNWA75-SDI41-11/M

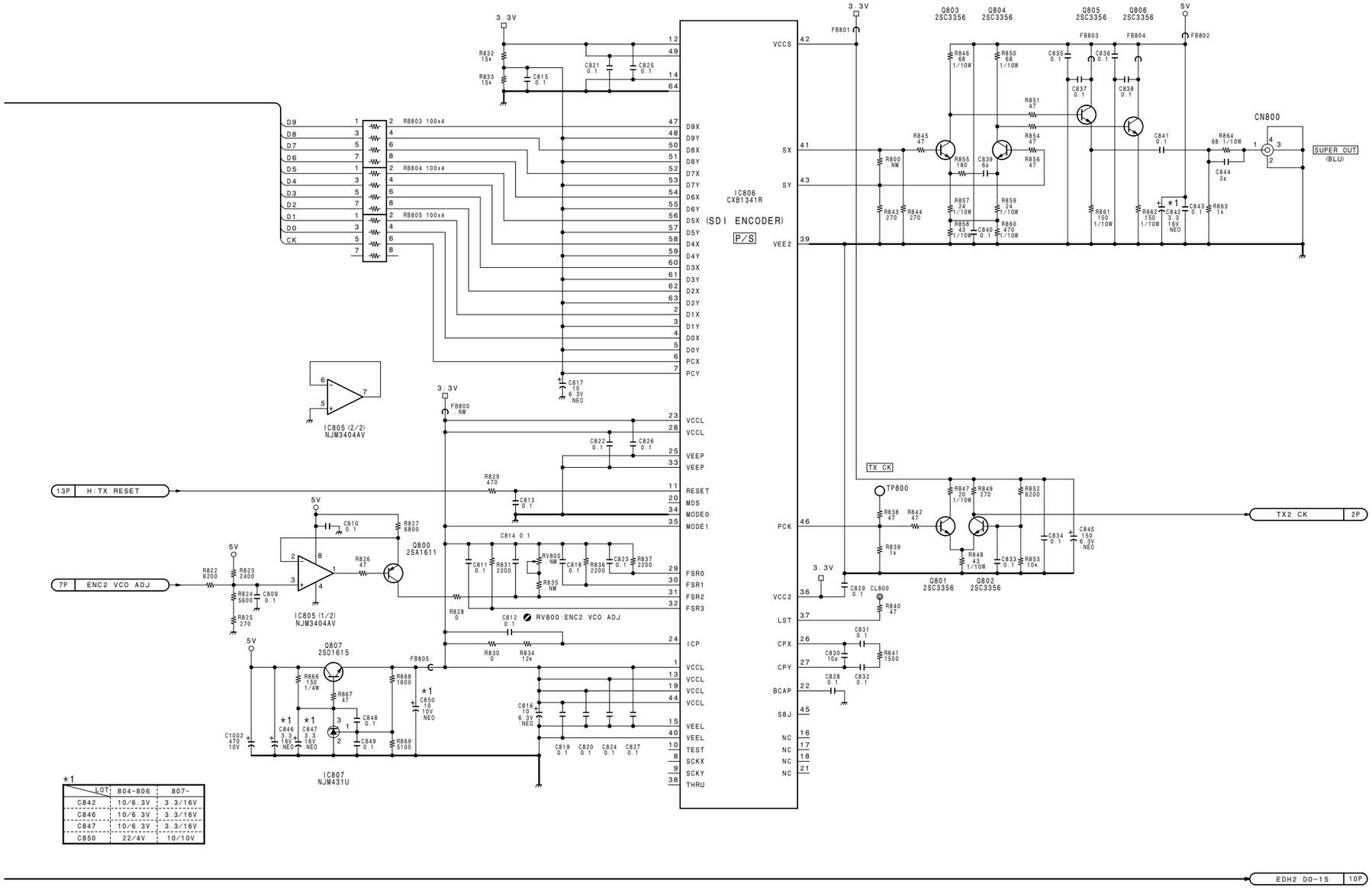
SDI-41/41C (12/13)



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SDI-41/41C (12/13)



*1

LOT	804-806	807-
C842	10/6.3V	3.3/16V
C846	10/6.3V	3.3/16V
C847	10/6.3V	3.3/16V
C850	22/4V	10/10V

4:2:2 component serial digital output interface with Embedded audio

SDI-41C (12/13) (For DNW-A65/A65P/65/65P)

BOARD NO. 1-670-596-21
LOT NO. 807-

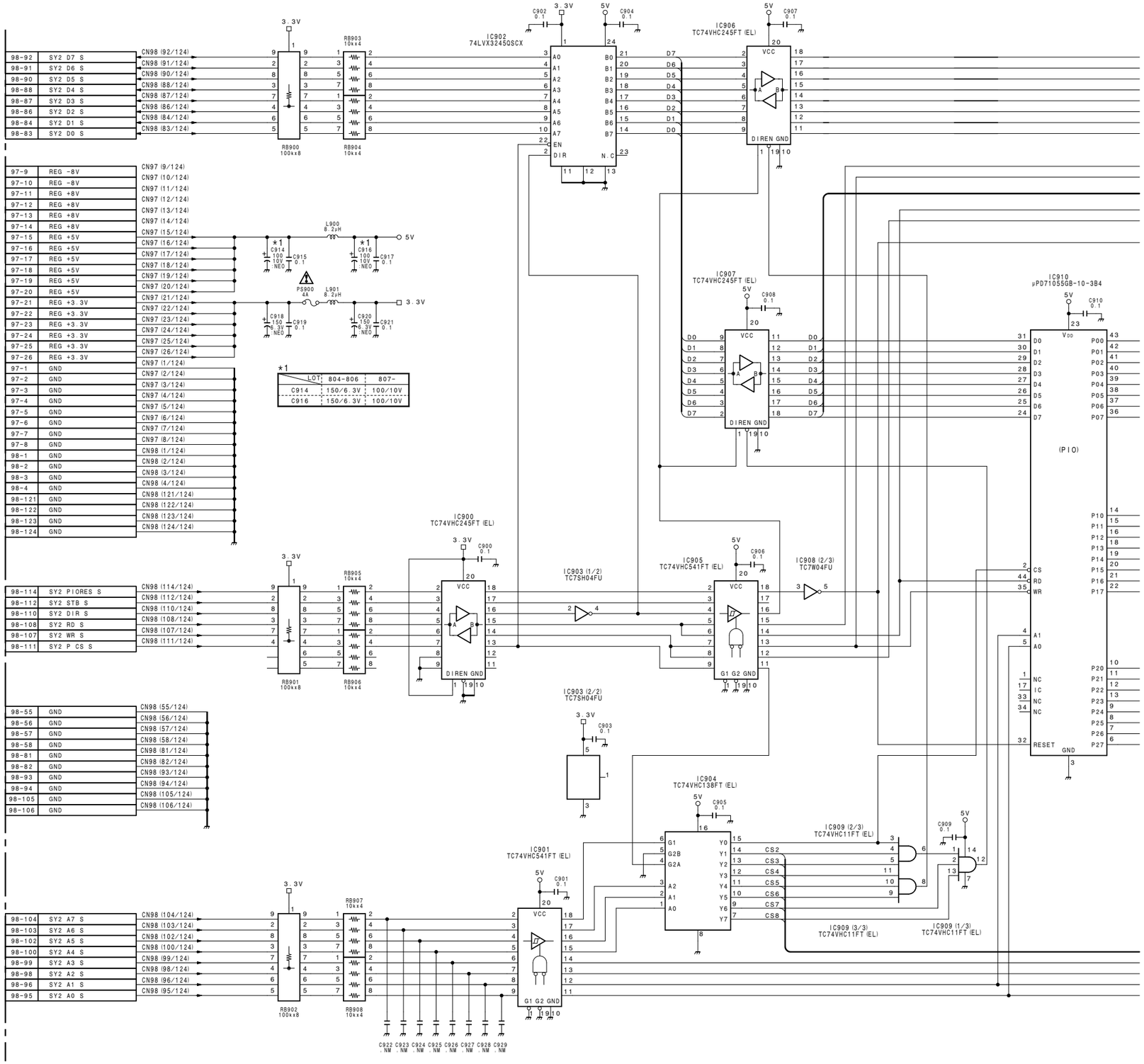
4:2:2 component serial digital interface with Embedded audio

SDI-41 (12/13) (For DNW-A75/A75P/75/75P)

BOARD NO. 1-670-596-11
LOT NO. 804-

3-135

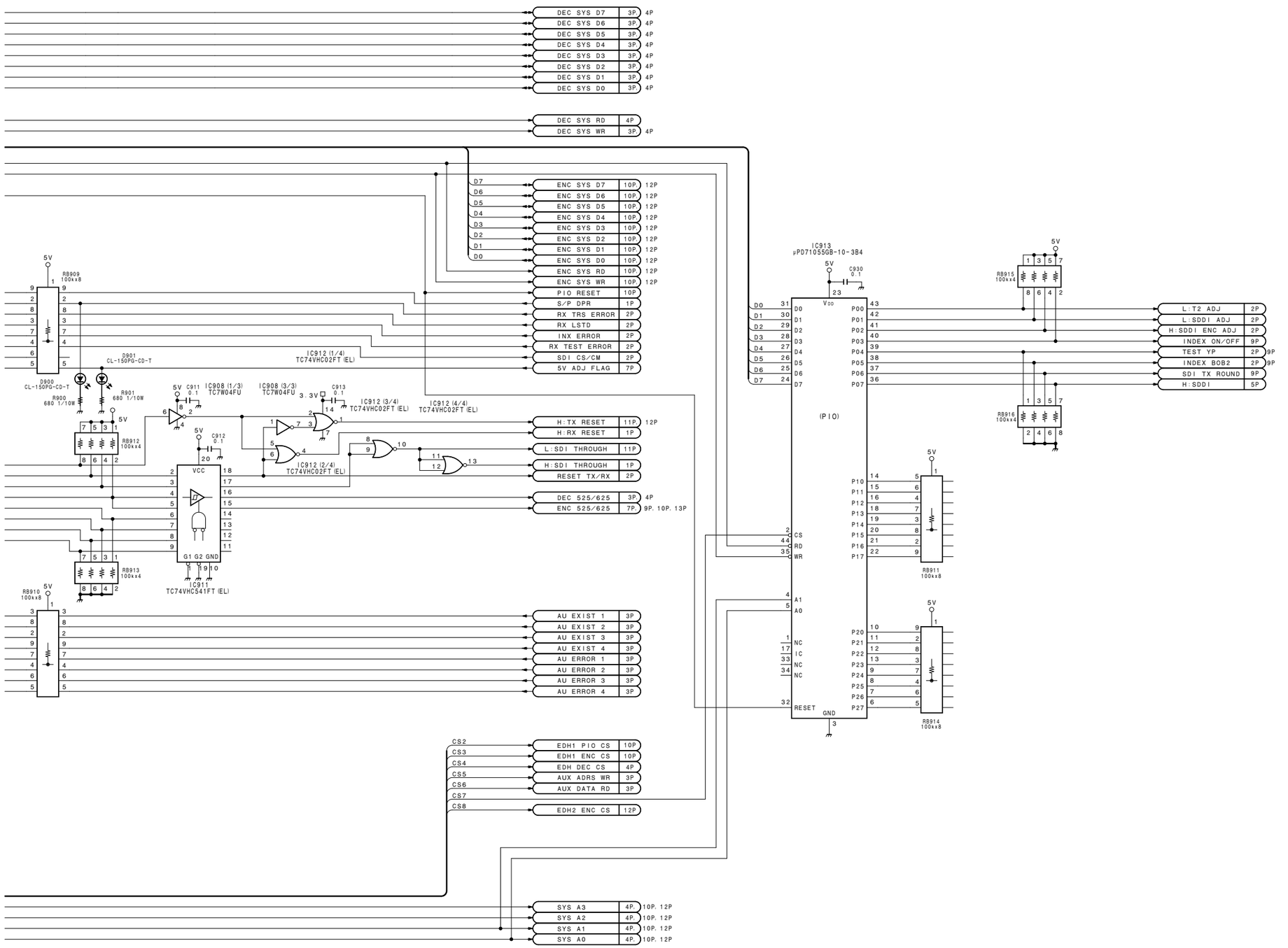
SDI-41/41C (13/13)



3-136

DNW-75/75P
DNW-65/65P

SDI-41/41C (13/13)



4:2:2 component serial digital output interface with Embedded audio

SDI-41C (13/13) (For DNW-A65/A65P/65/65P)

BOARD NO. 1-670-596-21
LOT NO. 807-

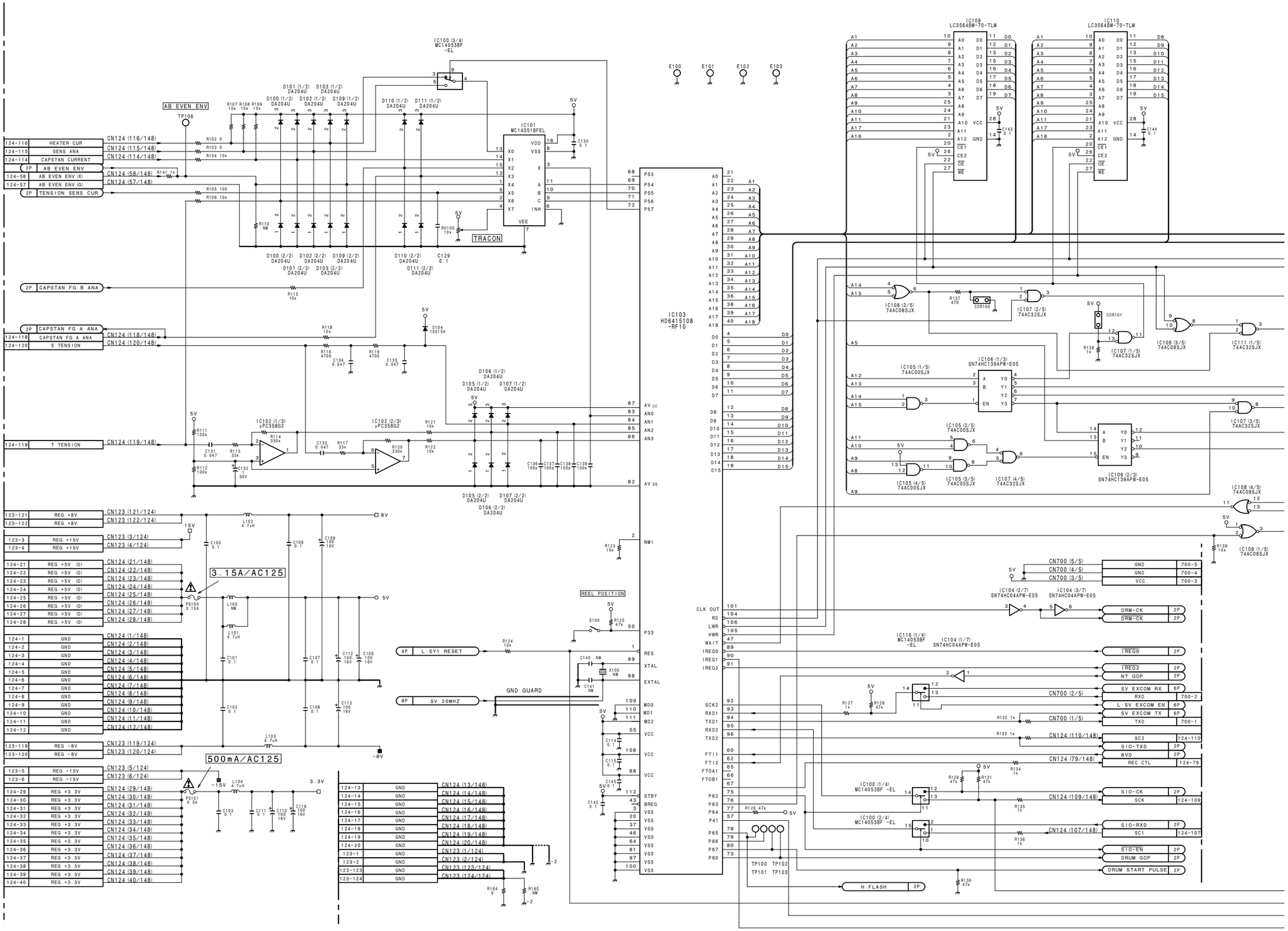
4:2:2 component serial digital interface with Embedded audio

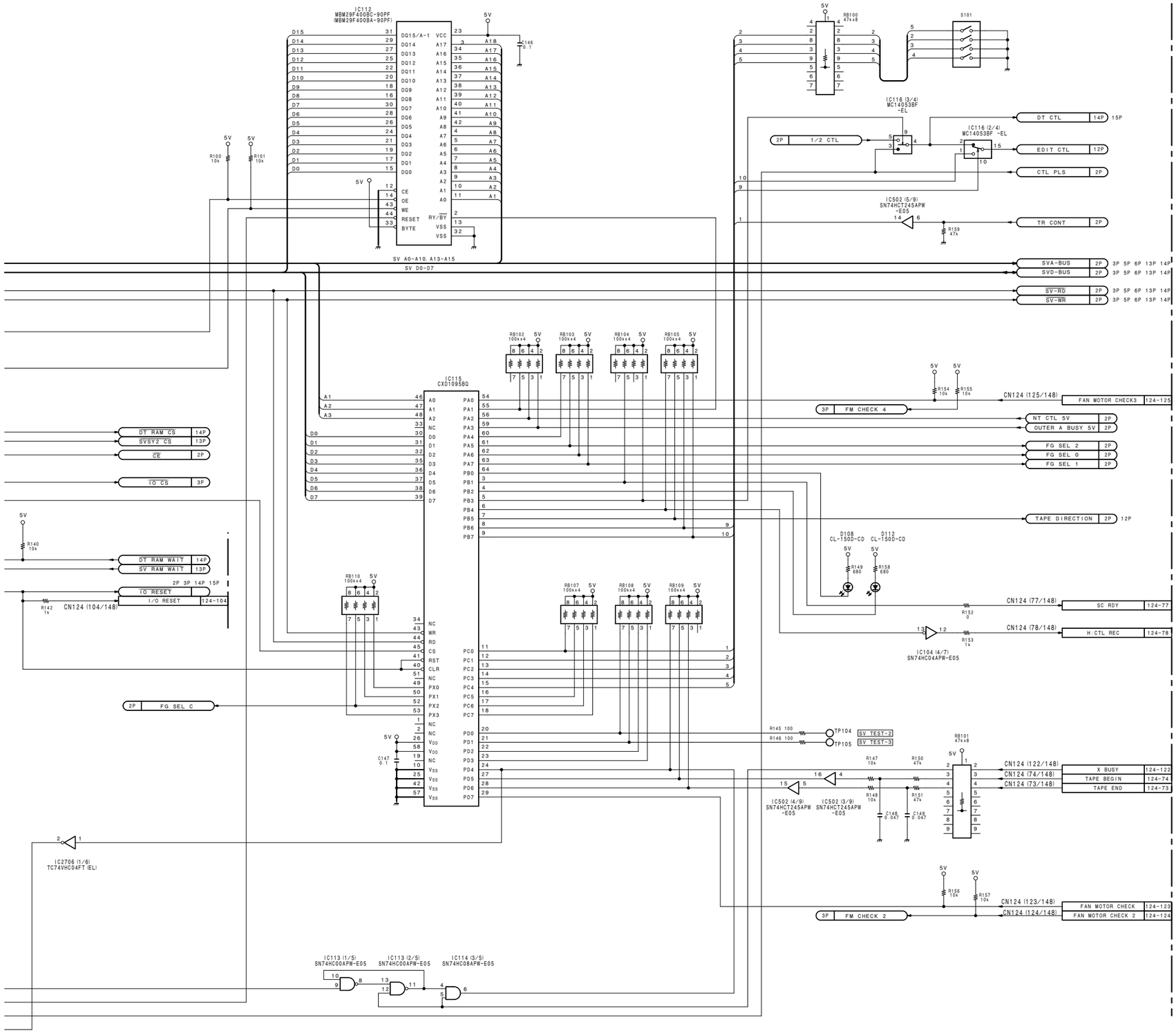
SDI-41 (13/13) (For DNW-A75/A75P/75/75P)

BOARD NO. 1-670-596-11
LOT NO. 804-

B-¥DNWA75-SDI41-11/M

コネクタの接続先についてはMB−818基板回路図（ 3-98 ページ）を参照。
Refer to the MB-818 board schematic diagrams (Page 3-98) in regard to destinations of connectors.





System control, Servo control

SS-83 (1/16) (For DNW-75/75P/65/65P)

BOARD NO. 1-670-580-12

LOT NO. 905-

System control, Servo control, DT control

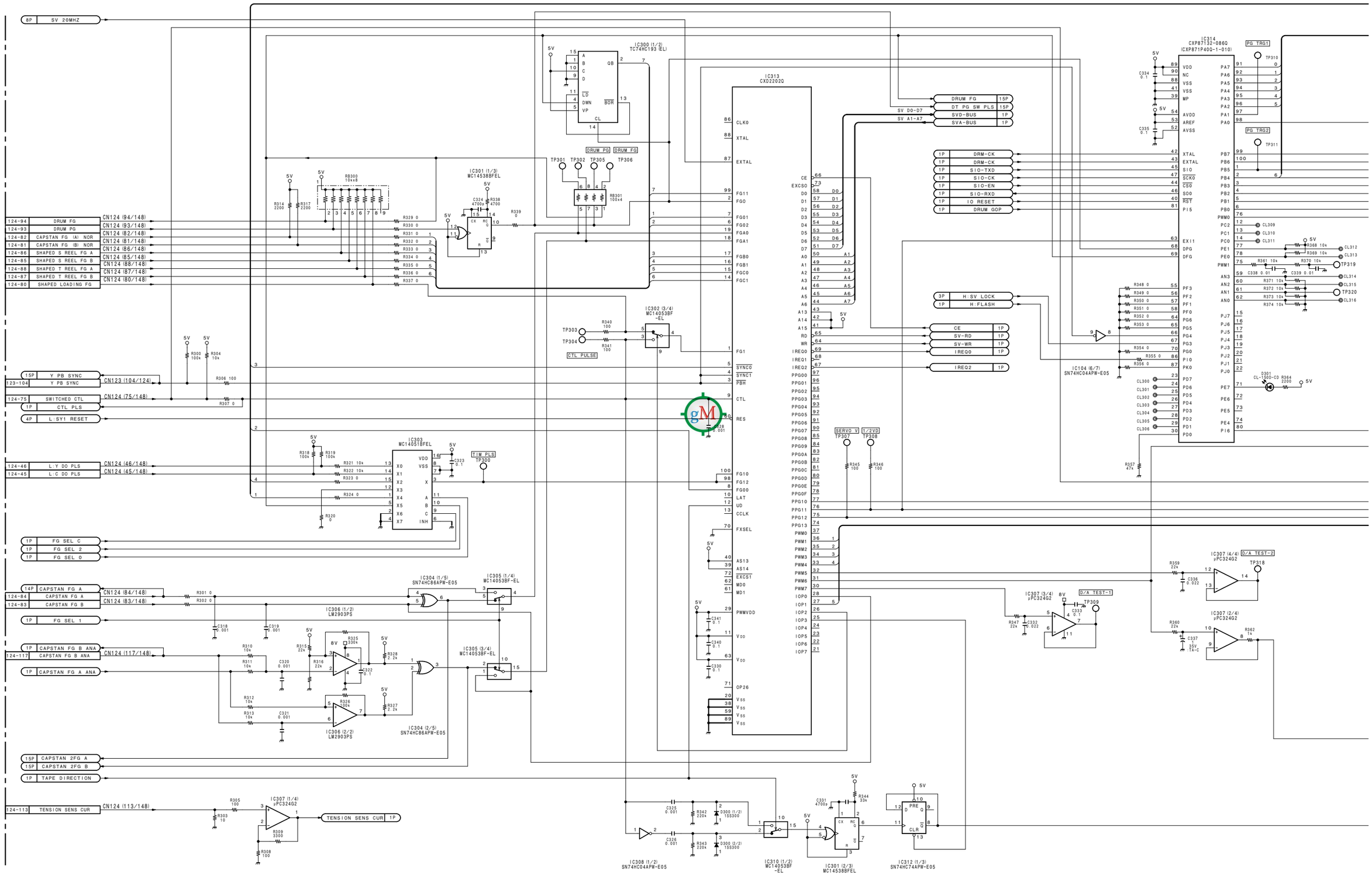
SS-83 (1/16) (For DNW-A75/A75P/A65/A65P)

BOARD NO. 1-670-580-11,12

LOT NO. 804-

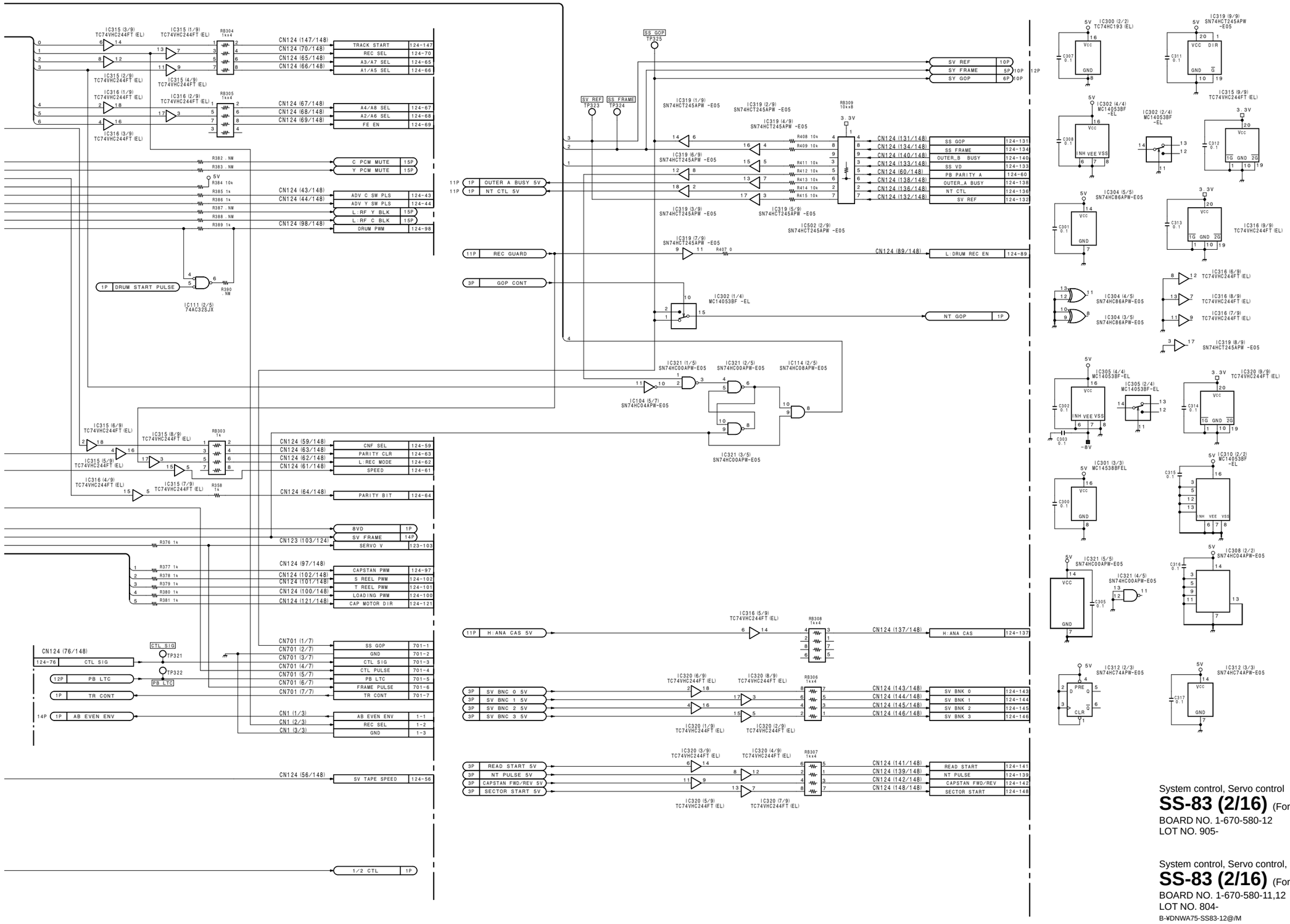
B-¥DNWA75-SS83-12@/M

SS-83 (2/16)



3-140

DNW-75/75P
DNW-65/65P



System control, Servo control

SS-83 (2/16) (For DNW-75/75P/65/65P)

BOARD NO. 1-670-580-12
LOT NO. 905-

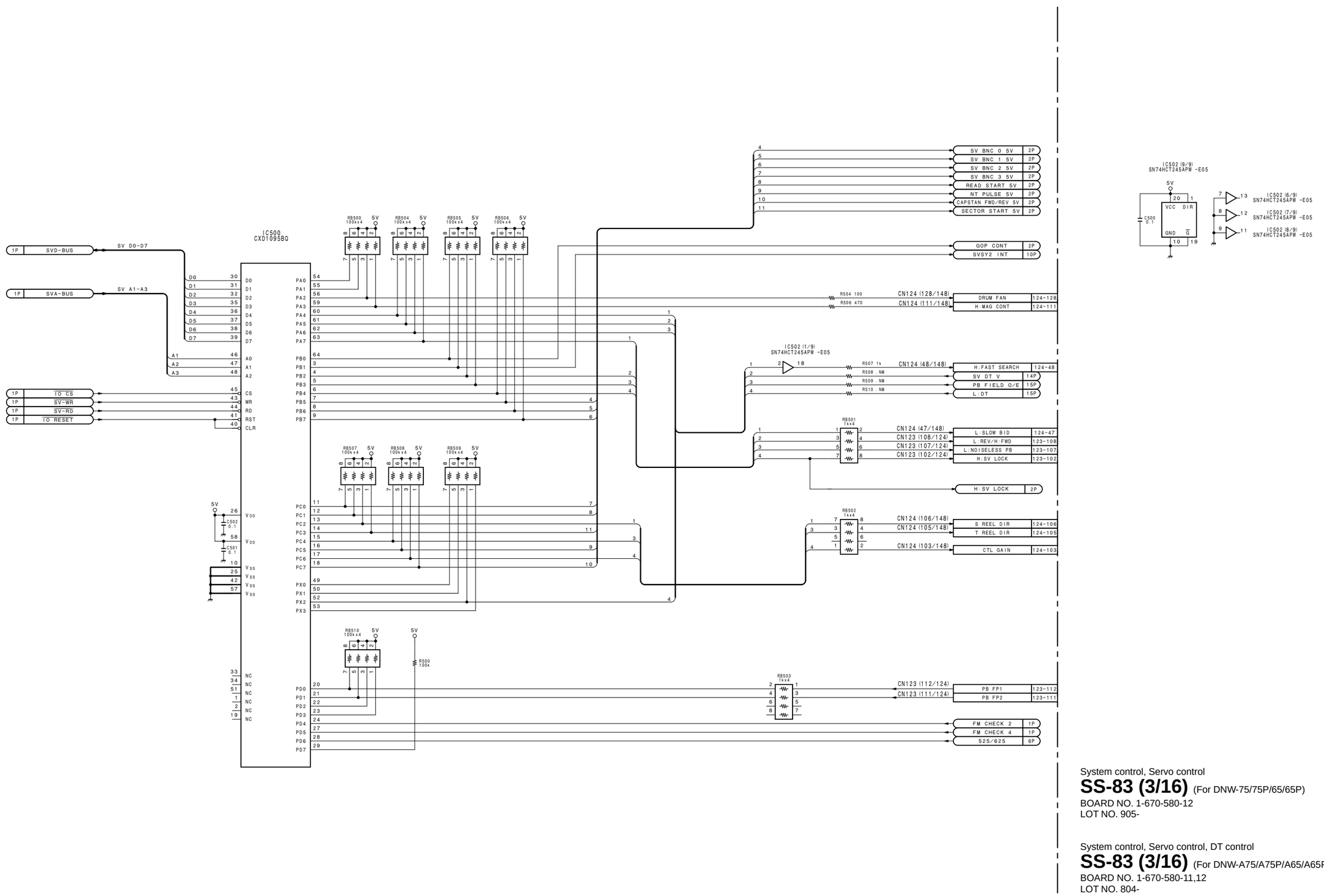
System control, Servo control, DT control

SS-83 (2/16) (For DNW-A75/A75P/A65/A65P)

BOARD NO. 1-670-580-11,12
LOT NO. 804-

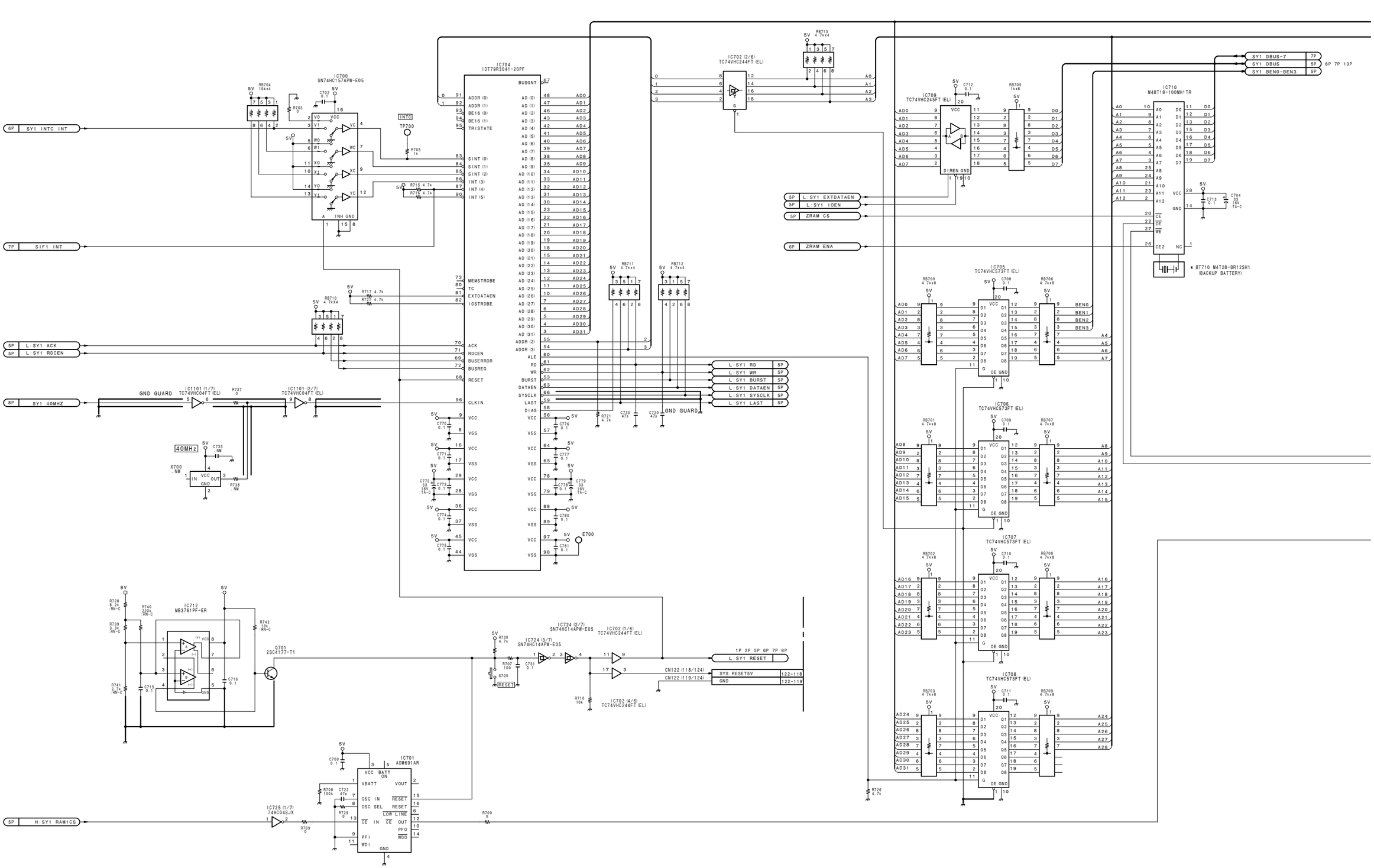
B-¥DNWA75-SS83-12@/M

DNW-75/75P
DNW-65/65P

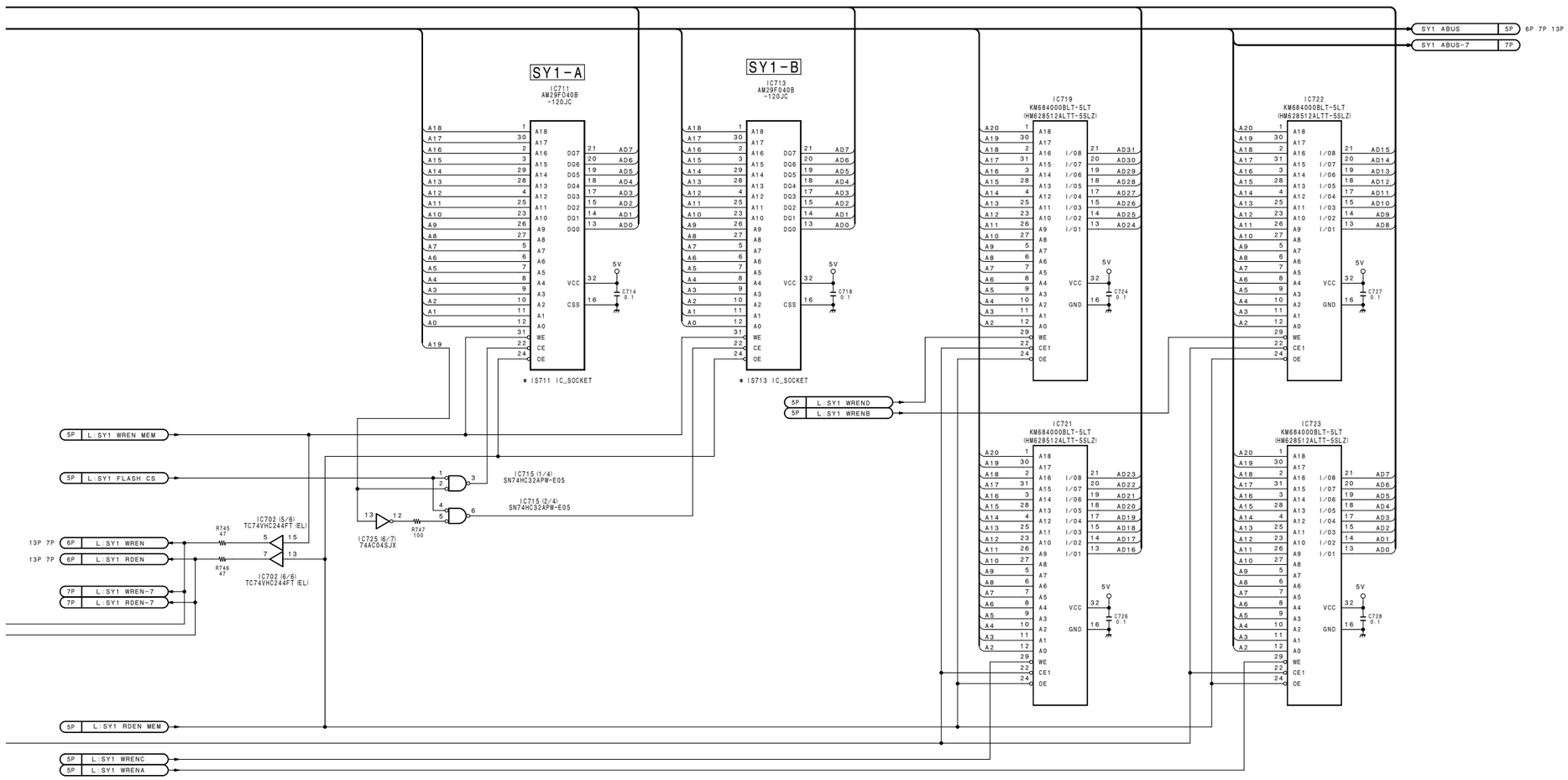


System control, Servo control
SS-83 (3/16) (For DNW-75/75P/65/65P)
BOARD NO. 1-670-580-12
LOT NO. 905-

System control, Servo control, DT control
SS-83 (3/16) (For DNW-A75/A75P/A65/A65P)
BOARD NO. 1-670-580-11,12
LOT NO. 804-
B-¥DNWA75-SS83-12@/M


IC704
IDT79R3041-20PF
IC700
SN74HC157APW-E05
IC702 (2/6)
TC74VHC244FT (EL)
IC709
TC74VHC245FT (EL)
IC710
M48T18-100MH1TR
IC705
TC74VHC573FT (EL)
IC706
TC74VHC573FT (EL)
IC707
TC74VHC573FT (EL)
IC708
TC74VHC573FT (EL)
IC712
MB3761PF-ER
IC724 (2/7)
SN74HC14APW-E05
IC724 (3/7)
SN74HC14APW-E05
IC702 (1/6)
TC74VHC244FT (EL)
IC702 (4/6)
TC74VHC244FT (EL)
IC1101 (1/7)
TC74VHC04FT (EL)
IC1101 (3/7)
TC74VHC04FT (EL)
IC701
ADM691AR
IC725 (1/7)
74AC04SJX
Q701
2SC4177-T1
X700
40MHz
TP700
INTC
E700
GND GUARD
6P SY1 INTC INT
7P SIF1 INT
8P SY1 40MHZ
5P L:SY1 ACK
5P L:SY1 RDCEN
5P H:SY1 RAM1CS
5P L:SY1 EXTDATAEN
5P L:SY1 IOEN
5P ZRAM CS
6P ZRAM ENA
SY1 DBUS-7 7P
SY1 DBUS 5P
SY1 BEN0-BEN3 5P
6P 7P 13P
1P 2P 5P 6P 7P 8P
L:SY1 RESET
SYS RESET5V 122-118
GND 122-119
CN122 (118/124)
CN122 (119/124)
L:SY1 RD 5P
L:SY1 WR 5P
L:SY1 BURST 5P
L:SY1 DATAEN 5P
L:SY1 SYSCLK 5P
L:SY1 LAST 5P
* BT710 M4T28-BR12SH1
(BACKUP BATTERY)

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System control, Servo control

SS-83 (4/16) (For DNW-75/75P/65/65P)

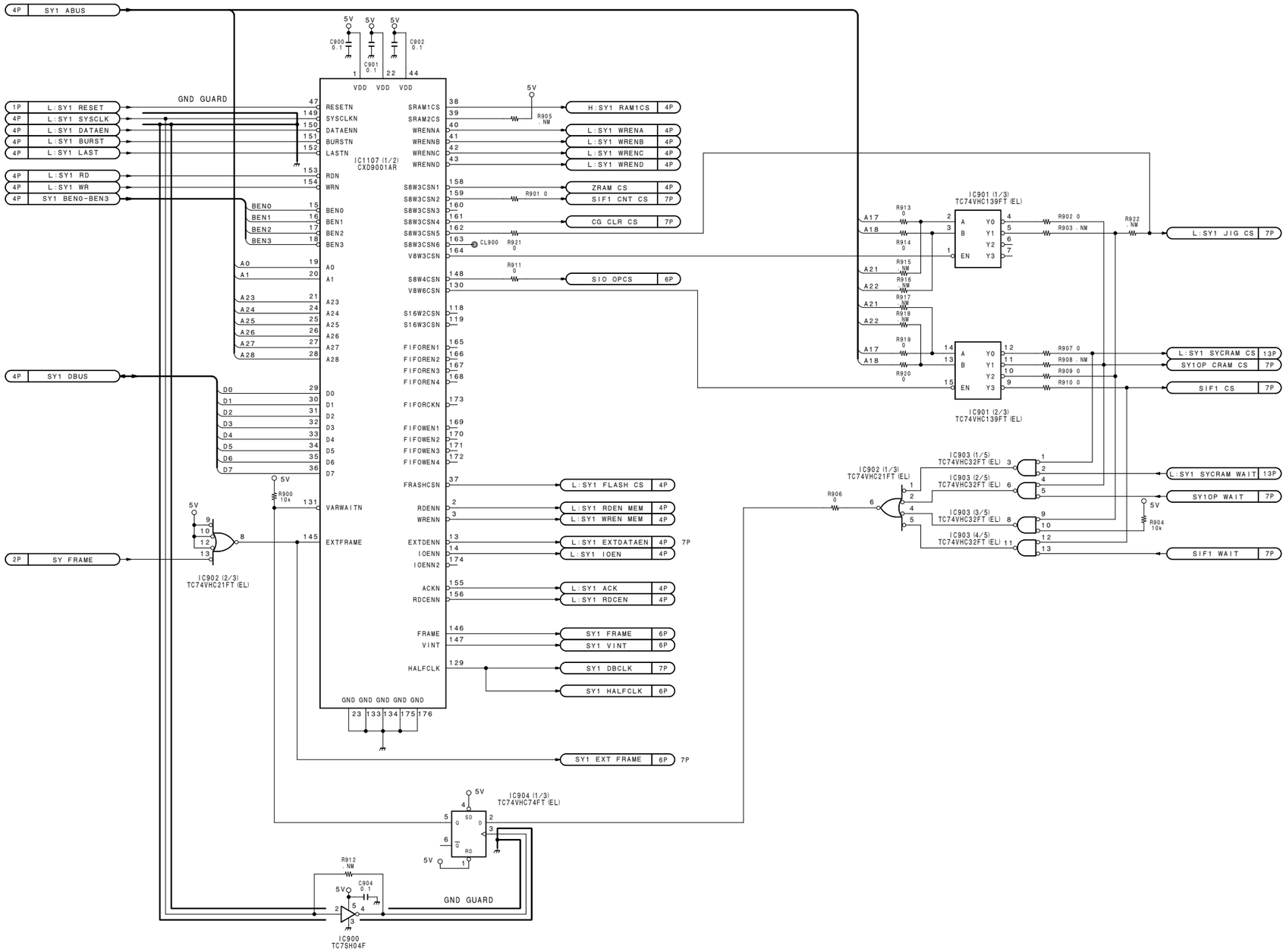
BOARD NO. 1-670-580-12
LOT NO. 905-

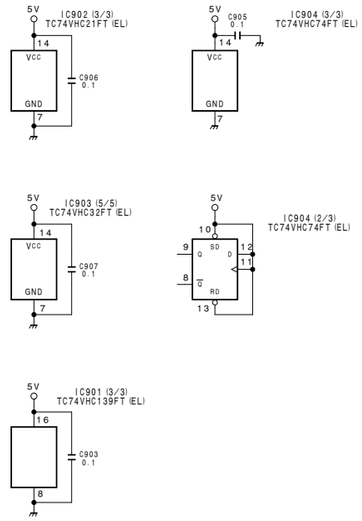
System control, Servo control, DT control

SS-83 (4/16) (For DNW-A75/A75P/A65/A65P)

BOARD NO. 1-670-580-11,12
LOT NO. 804-

B-¥DNWA75-SS83-12@/M





System control, Servo control

SS-83 (5/16) (For DNW-75/75P/65/65P)

BOARD NO. 1-670-580-12

LOT NO. 905-

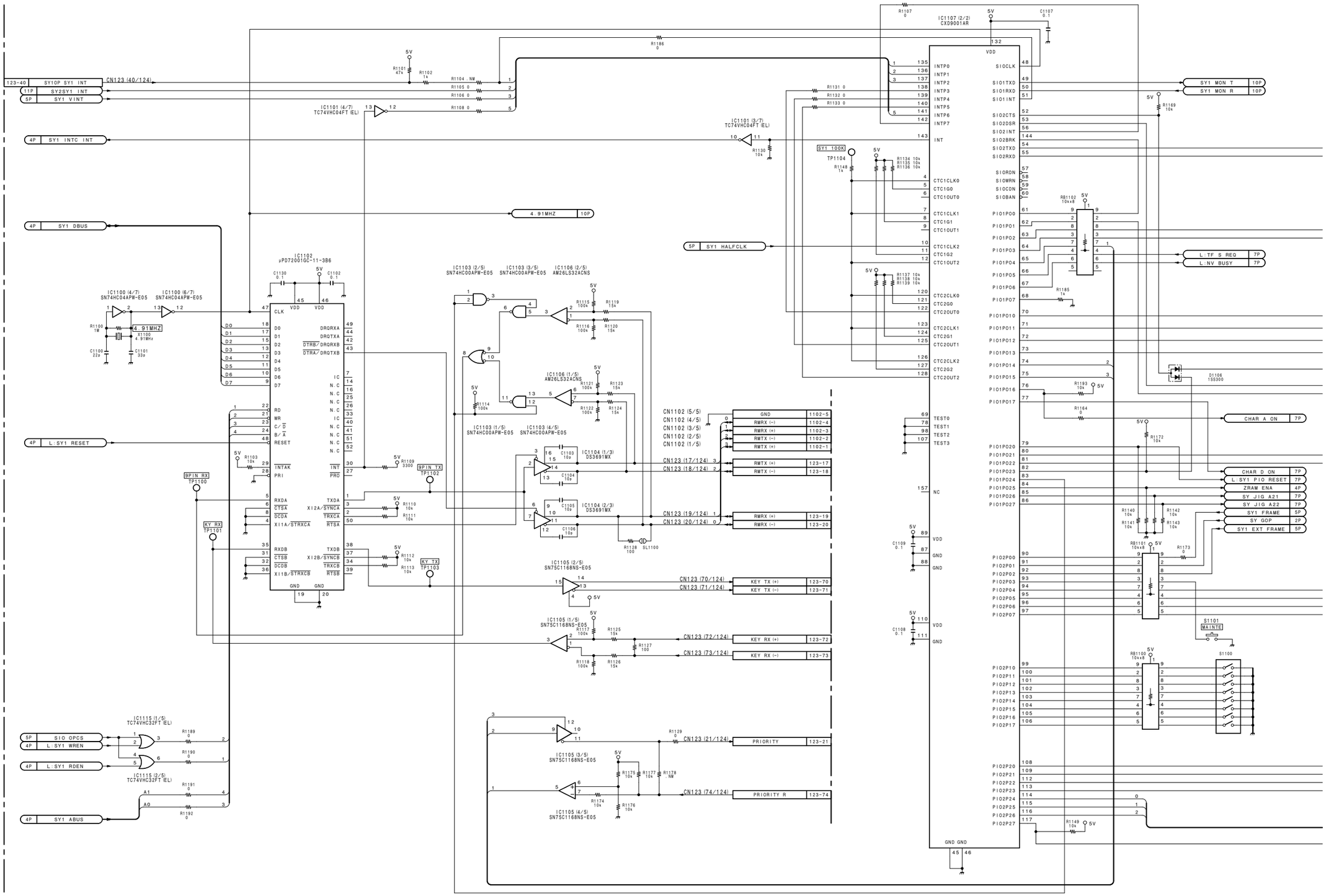
System control, Servo control, DT control

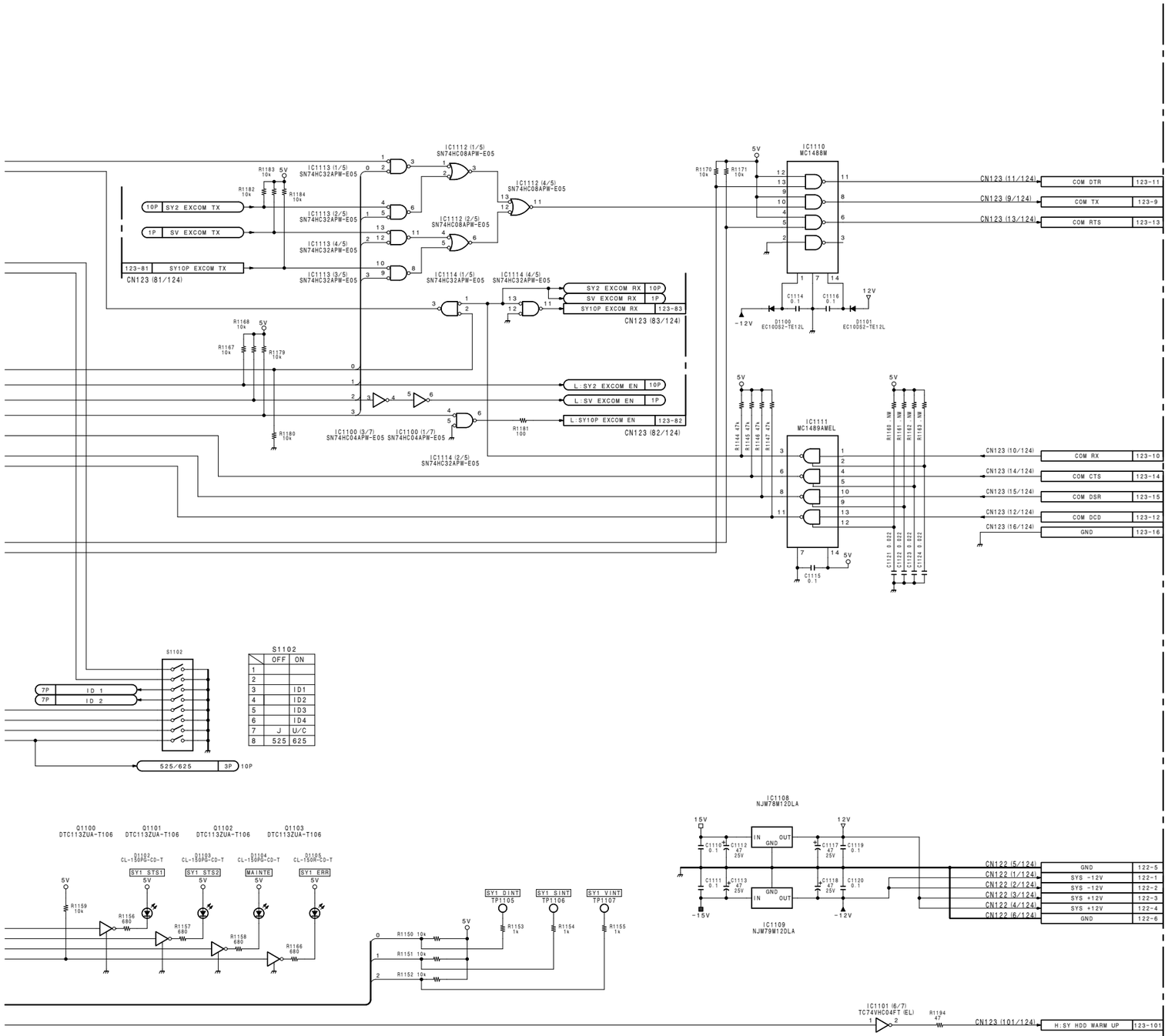
SS-83 (5/16) (For DNW-A75/A75P/A65/A65P)

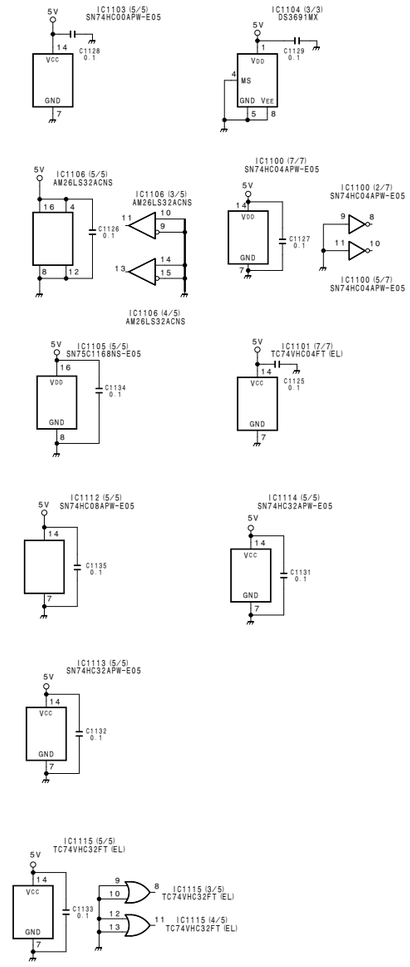
BOARD NO. 1-670-580-11,12

LOT NO. 804-

B-¥DNWA75-SS83-12@/M


IC1107 (2/2) CXD9001AR
IC1101 (4/7) TC74VHC04FT (EL)
IC1101 (3/7) TC74VHC04FT (EL)
IC1102 µPD72001GC-11-3B6
IC1100 (4/7) SN74HC04APW-E05
IC1100 (6/7) SN74HC04APW-E05
IC1103 (2/5) SN74HC00APW-E05
IC1103 (3/5) SN74HC00APW-E05
IC1106 (2/5) AM26LS32ACNS
IC1106 (1/5) AM26LS32ACNS
IC1103 (1/5) SN74HC00APW-E05
IC1103 (4/5) SN74HC00APW-E05
IC1104 (1/3) DS3691MX
IC1104 (2/3) DS3691MX
IC1105 (2/5) SN75C1168NS-E05
IC1105 (1/5) SN75C1168NS-E05
IC1105 (3/5) SN75C1168NS-E05
IC1105 (4/5) SN75C1168NS-E05
IC1115 (1/5) TC74VHC32FT (EL)
IC1115 (2/5) TC74VHC32FT (EL)
CN123 (40/124)
CN1102 (5/5)
CN1102 (4/5)
CN1102 (3/5)
CN1102 (2/5)
CN1102 (1/5)
SY1OP SY1 INT
SY2SY1 INT
SY1 VINT
SY1 INTC INT
SY1 DBUS
SY1 HALFCLK
4.91MHZ
L:SY1 RESET
SIO OPCS
L:SY1 WREN
L:SY1 RDEN
SY1 ABUS
9PIN RX
9PIN TX
KY RX
KY TX
SY1 100K
SY1 MON T
SY1 MON R
L:TF S REQ
L:NV BUSY
CHAR A ON
CHAR D ON
L:SY1 PIO RESET
ZRAM ENA
SY JIG A21
SY JIG A22
SY1 FRAME
SY GOP
SY1 EXT FRAME
KEY TX (+)
KEY TX (-)
KEY RX (+)
KEY RX (-)
PRIORITY
PRIORITY R
RMRX (+)
RMRX (-)
RMTX (+)
RMTX (-)
GND
S1101 MAINTE
S1100
D1106 1SS300



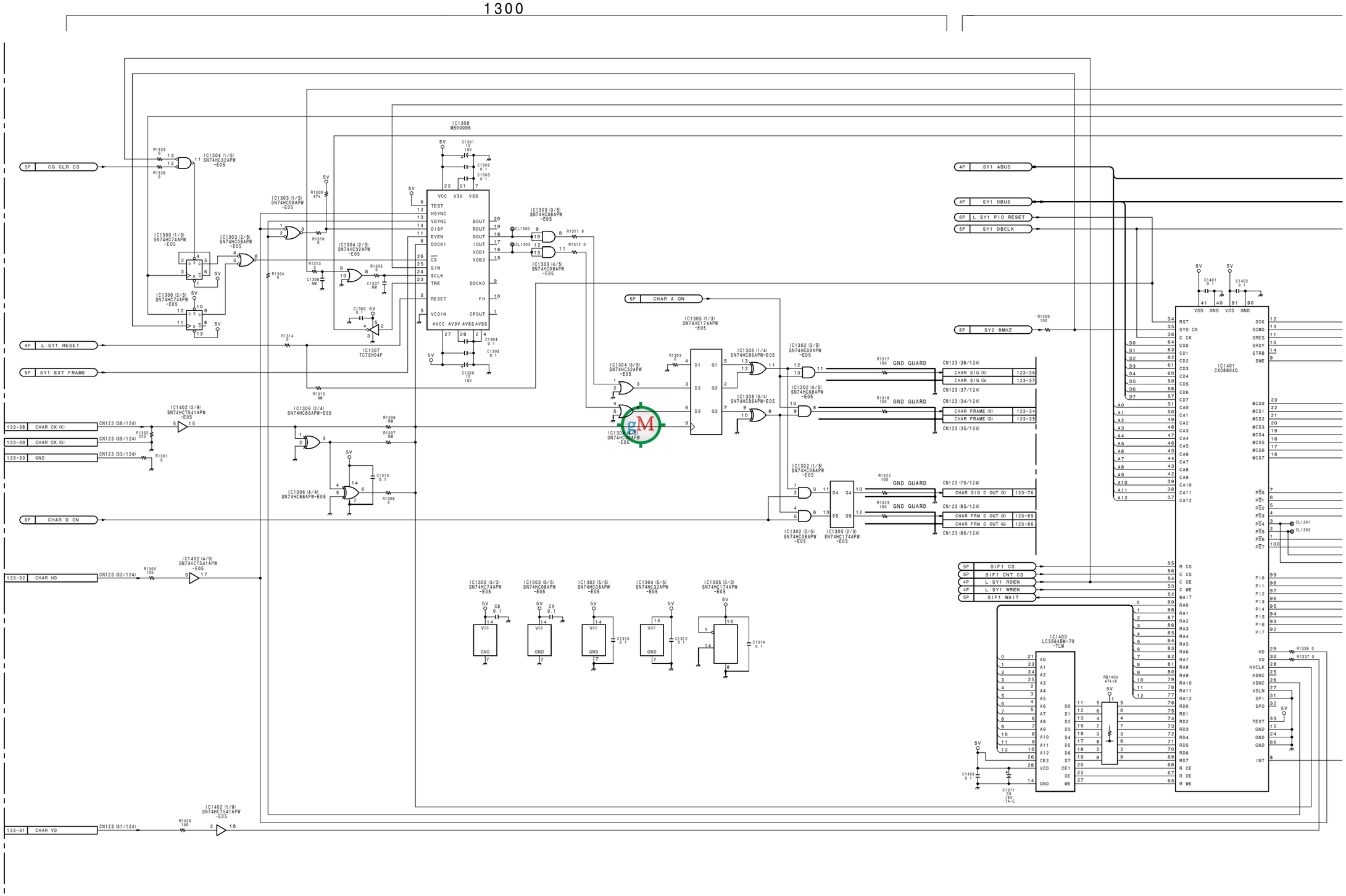


System control, Servo control
SS-83 (6/16) (For DNW-75/75P/65/65P)
BOARD NO. 1-670-580-12
LOT NO. 905-

System control, Servo control, DT control
SS-83 (6/16) (For DNW-A75/A75P/A65/A65P)
BOARD NO. 1-670-580-11,12
LOT NO. 804-

B-¥DNWA75-SS83-12@/M

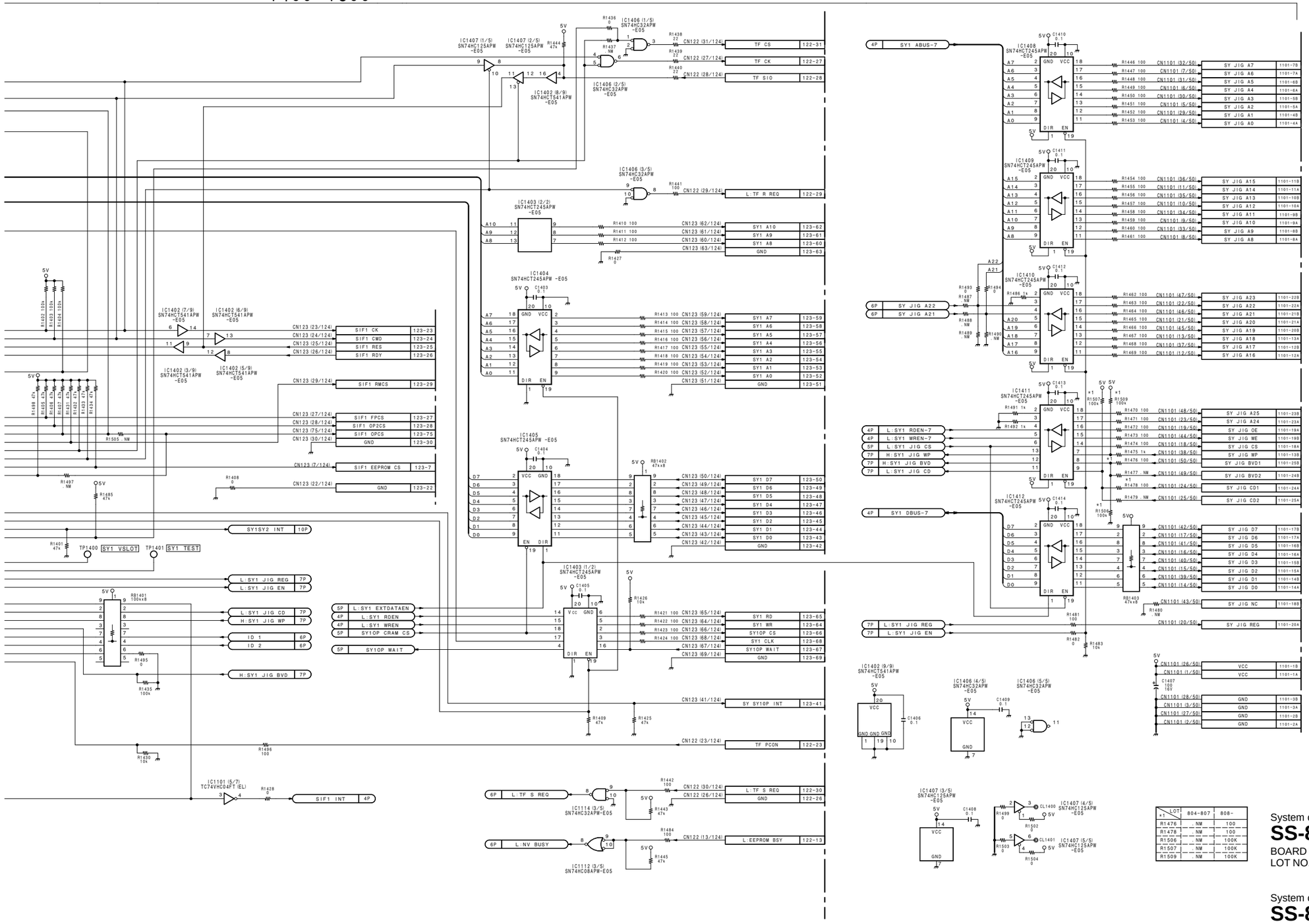
SS-83 (7/16)



3-150

DNW-75/75P
DNW-65/65P

1400 1500



LOT ×1	804~807	808~
R1476	NM	100
R1478	NM	100
R1506	NM	100K
R1507	NM	100K
R1509	NM	100K

System control, Servo control

SS-83 (7/16) (For DNW-75/75P/65/65P)

BOARD NO. 1-670-580-12

LOT NO. 905-

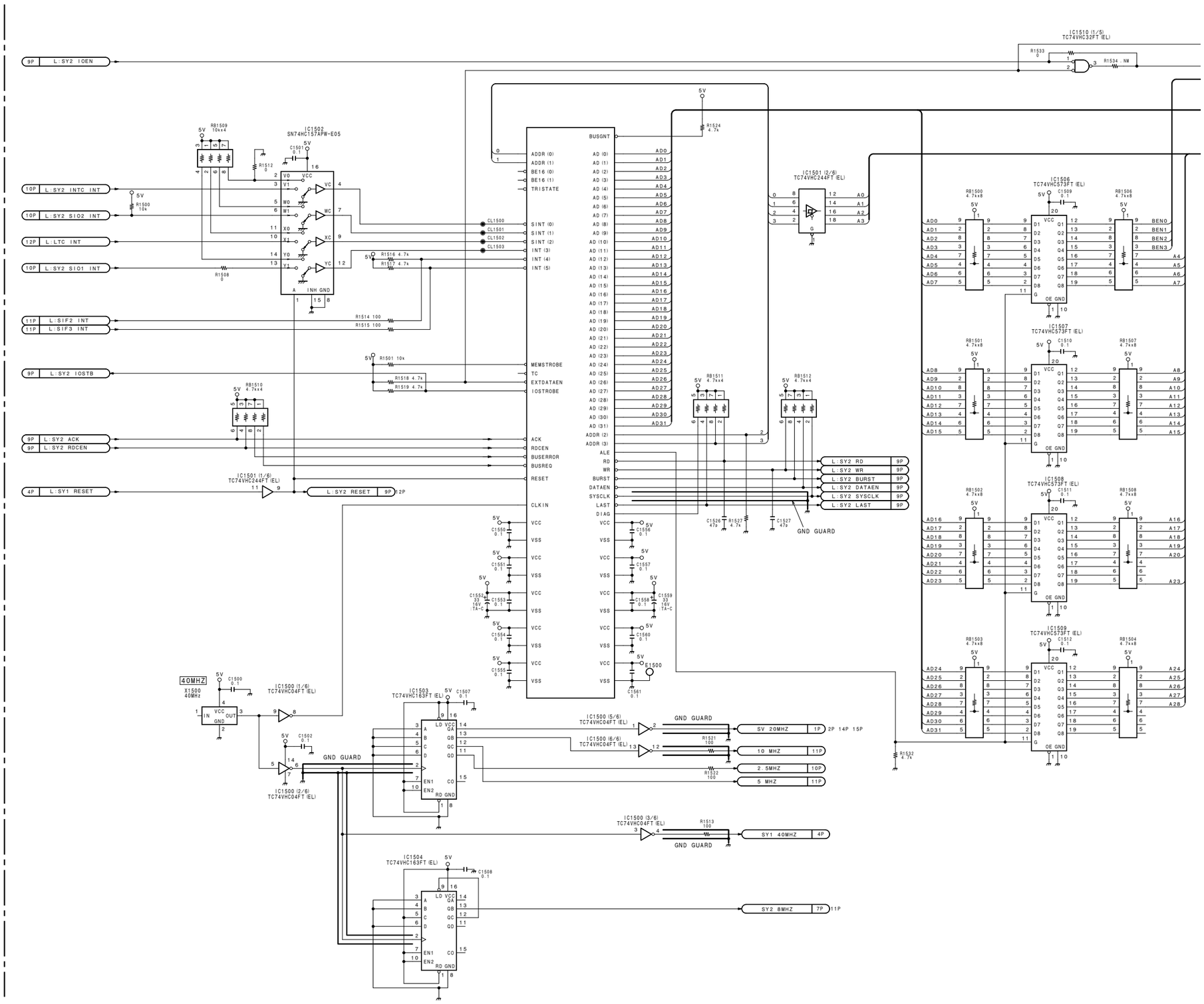
System control, Servo control, DT control

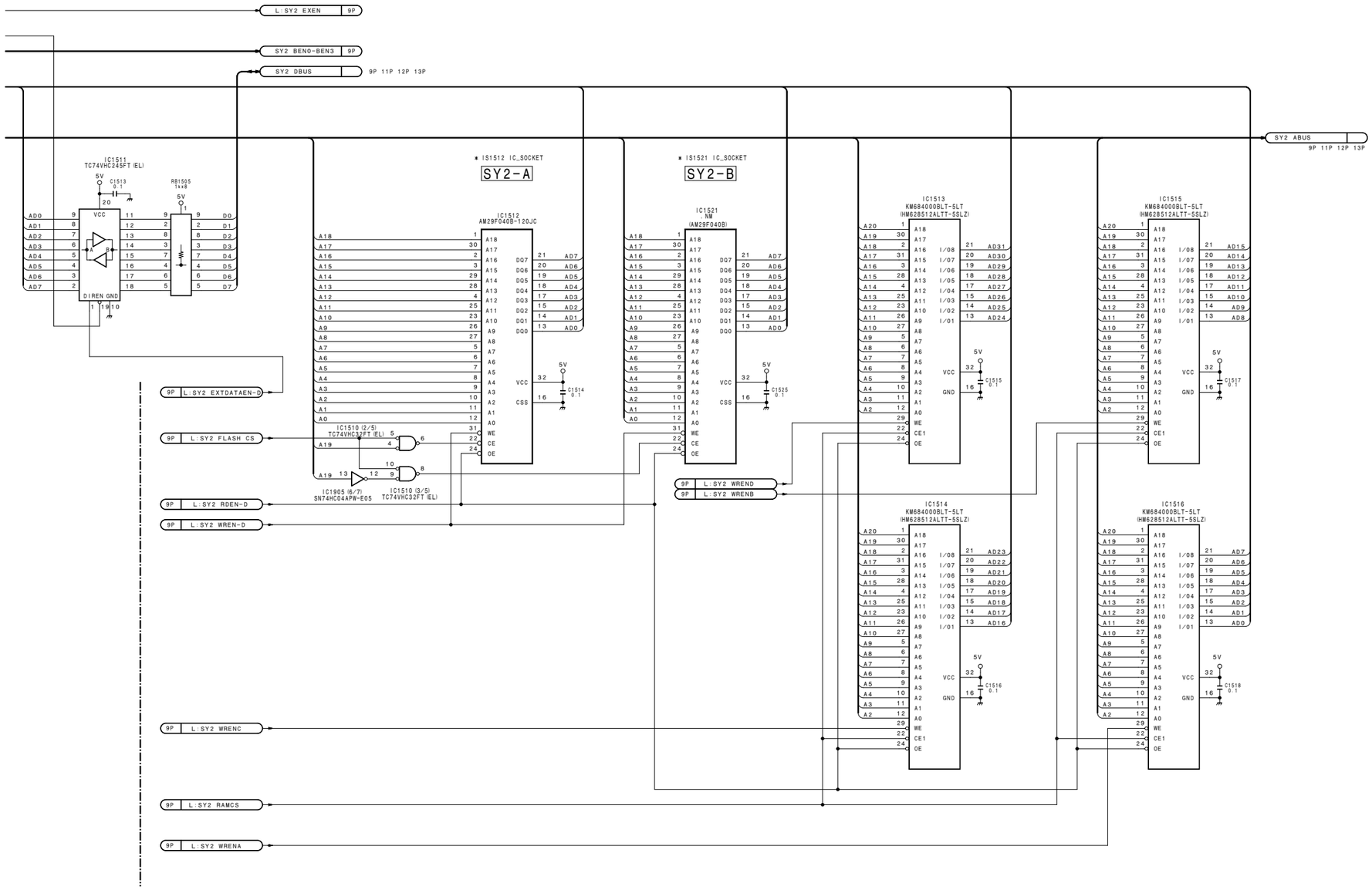
SS-83 (7/16) (For DNW-A75/A75P/A65/A65P)

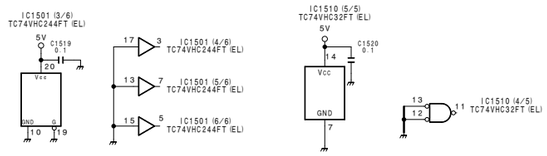
BOARD NO. 1-670-580-11,12

LOT NO. 804-

B-¥DNWA75-SS83-12@/M


9P L:SY2 IOEN
10P L:SY2 INTC INT
10P L:SY2 SIO2 INT
12P L:LTC INT
10P L:SY2 SIO1 INT
11P L:SIF2 INT
11P L:SIF3 INT
9P L:SY2 IOSTB
9P L:SY2 ACK
9P L:SY2 RDCEN
4P L:SY1 RESET
L:SY2 RESET 9P 12P
IC1502 SN74HC157APW-E05
IC1501 (1/6) TC74VHC244FT (EL)
IC1501 (2/6) TC74VHC244FT (EL)
IC1510 (1/5) TC74VHC32FT (EL)
IC1506 TC74VHC573FT (EL)
IC1507 TC74VHC573FT (EL)
IC1508 TC74VHC573FT (EL)
IC1509 TC74VHC573FT (EL)
IC1503 TC74VHC163FT (EL)
IC1504 TC74VHC163FT (EL)
IC1500 (1/6) TC74VHC04FT (EL)
IC1500 (2/6) TC74VHC04FT (EL)
IC1500 (3/6) TC74VHC04FT (EL)
IC1500 (5/6) TC74VHC04FT (EL)
IC1500 (6/6) TC74VHC04FT (EL)
40MHZ
X1500 40MHz
GND GUARD
5V 20MHZ 1P 2P 14P 15P
10 MHZ 11P
2.5MHZ 10P
5 MHZ 11P
SY1 40MHZ 4P
SY2 8MHZ 7P 11P
L:SY2 RD 9P
L:SY2 WR 9P
L:SY2 BURST 9P
L:SY2 DATAEN 9P
L:SY2 SYSCLK 9P
L:SY2 LAST 9P

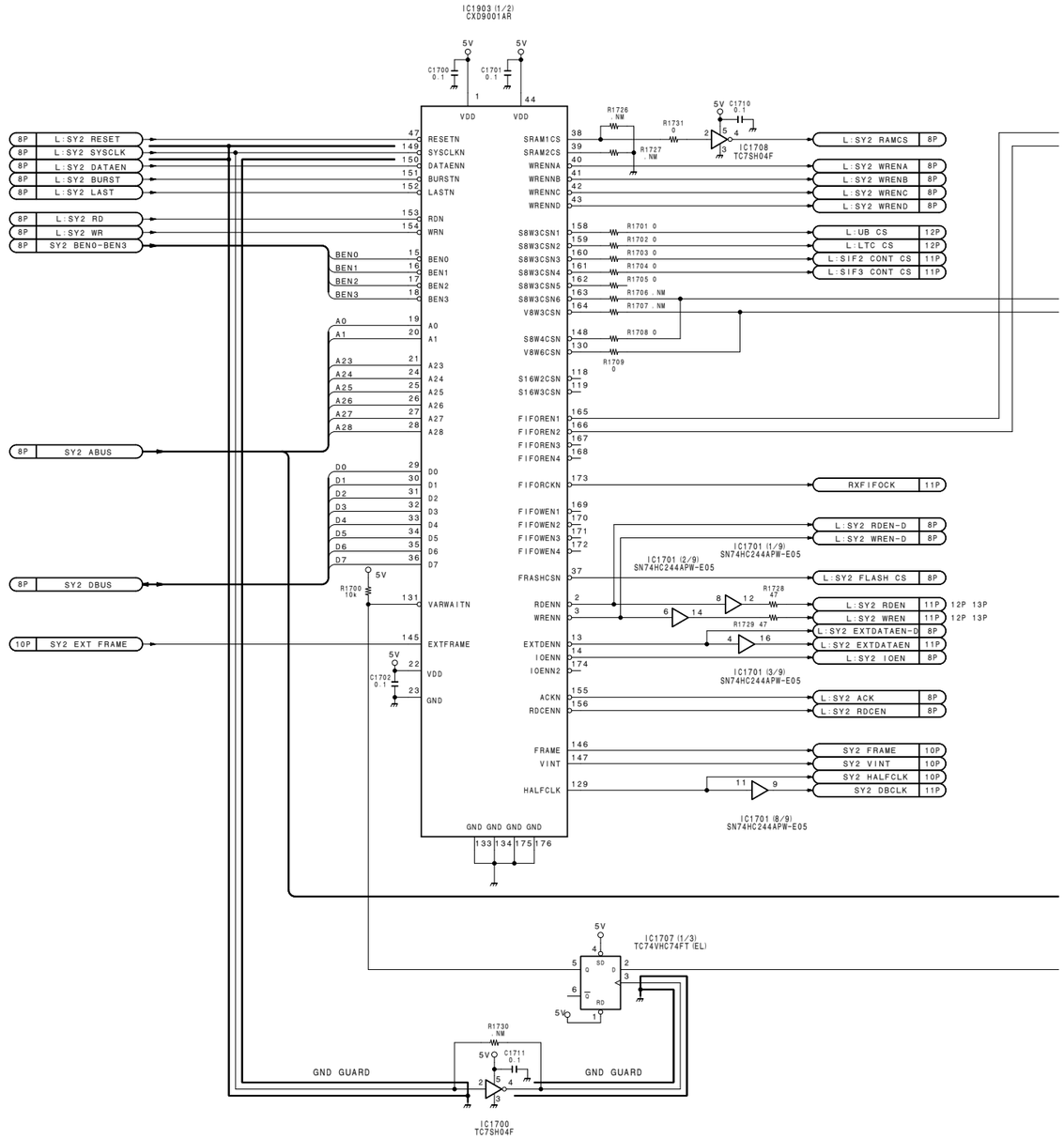




System control, Servo control
SS-83 (8/16) (For DNW-75/75P/65/65P)
BOARD NO. 1-670-580-12
LOT NO. 905-

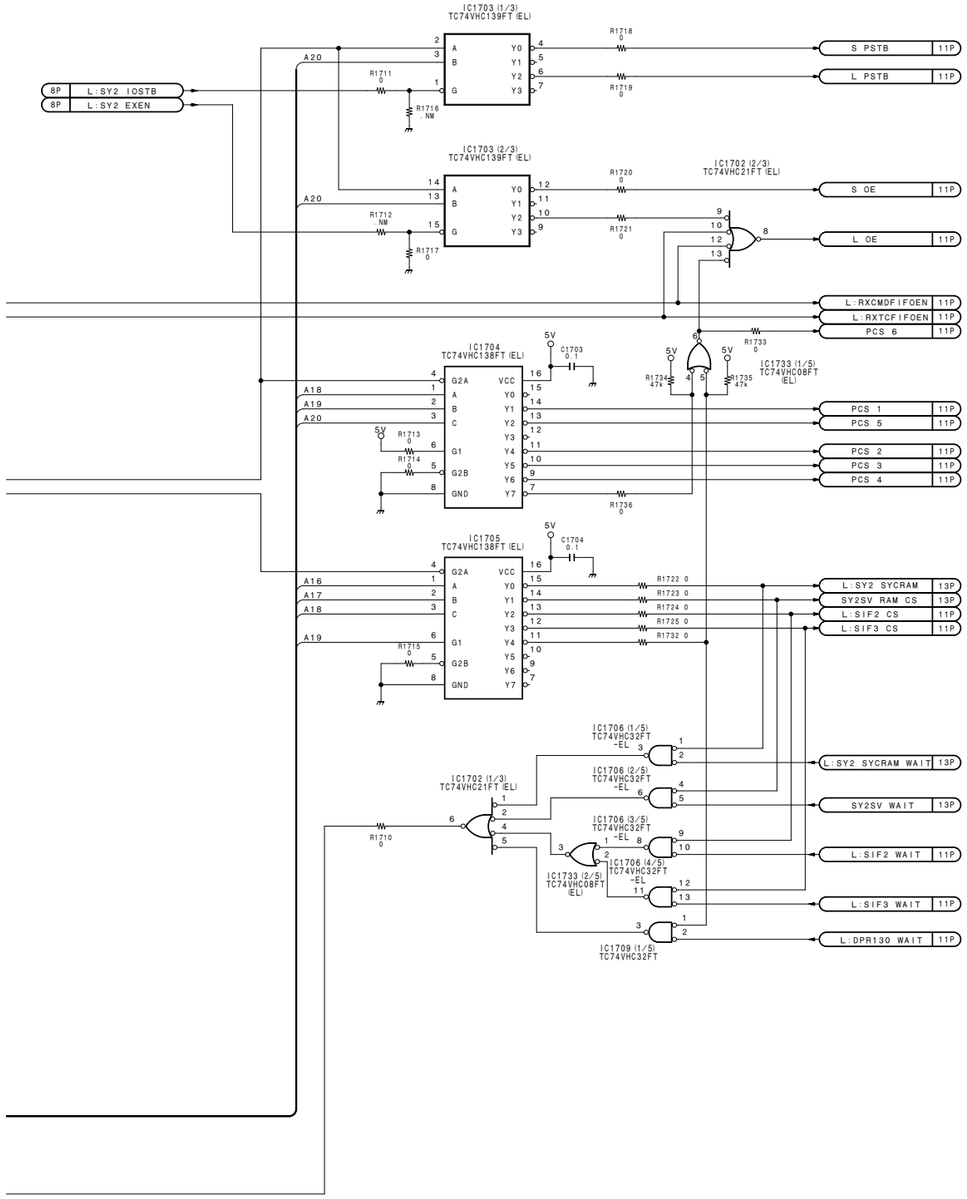
System control, Servo control, DT control
SS-83 (8/16) (For DNW-A75/A75P/A65/A65P)
BOARD NO. 1-670-580-11,12
LOT NO. 804-
B-¥DNWA75-SS83-12@/M

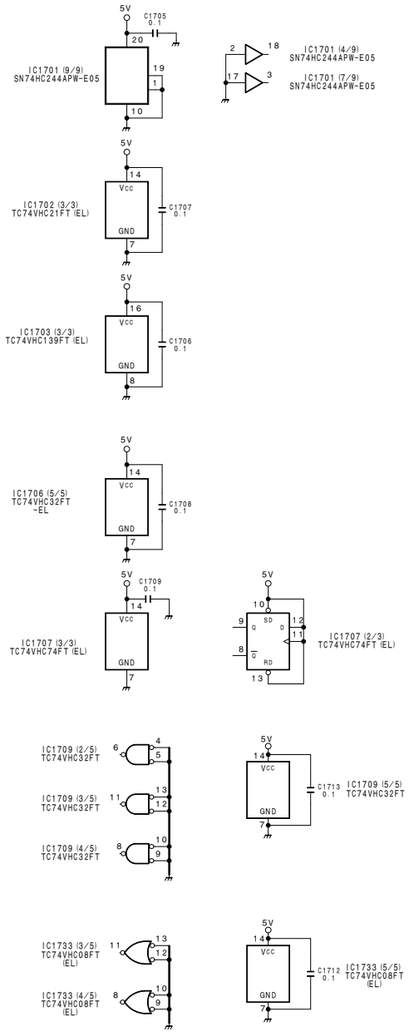
SS-83 (9/16)



3-154

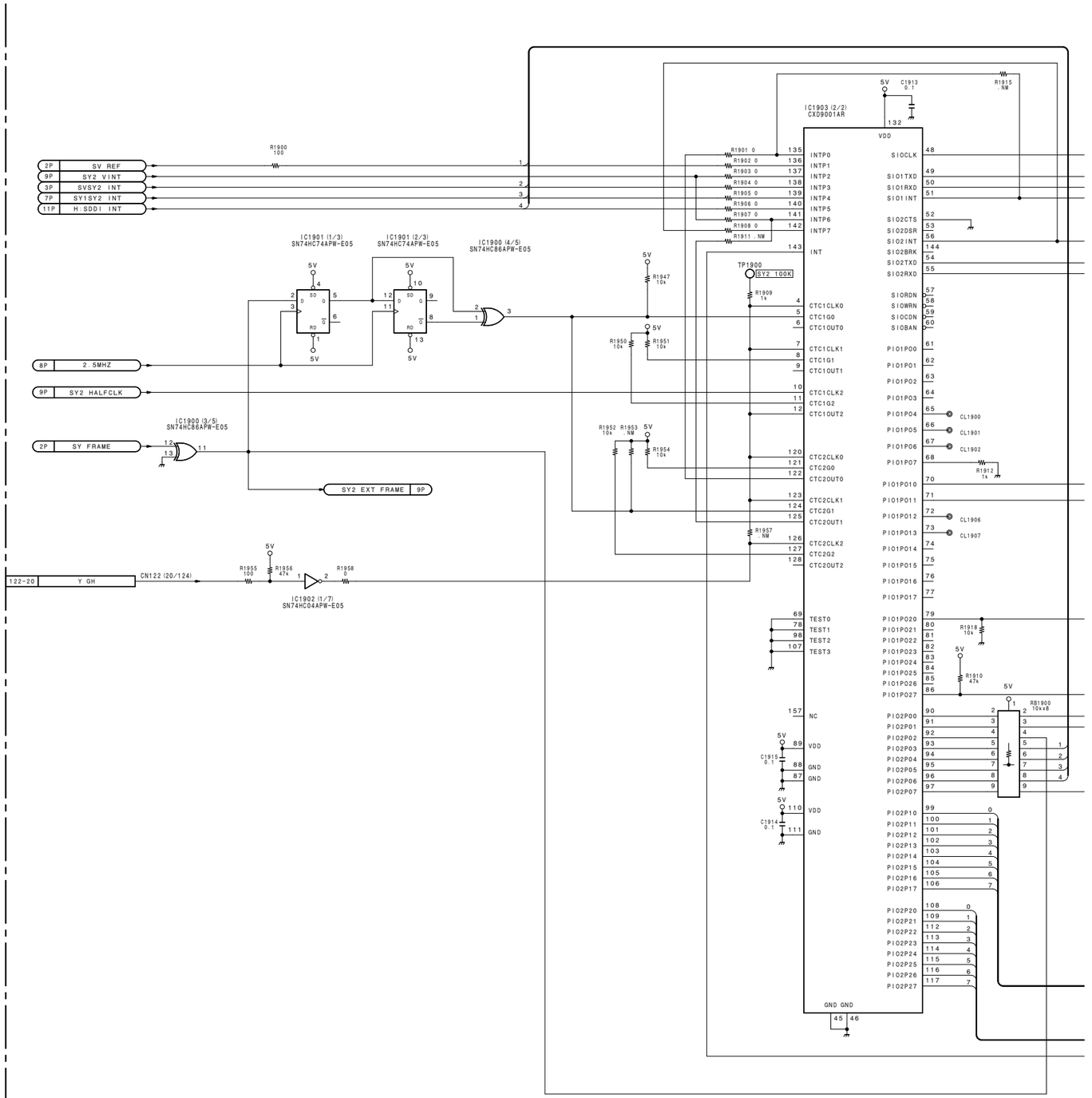
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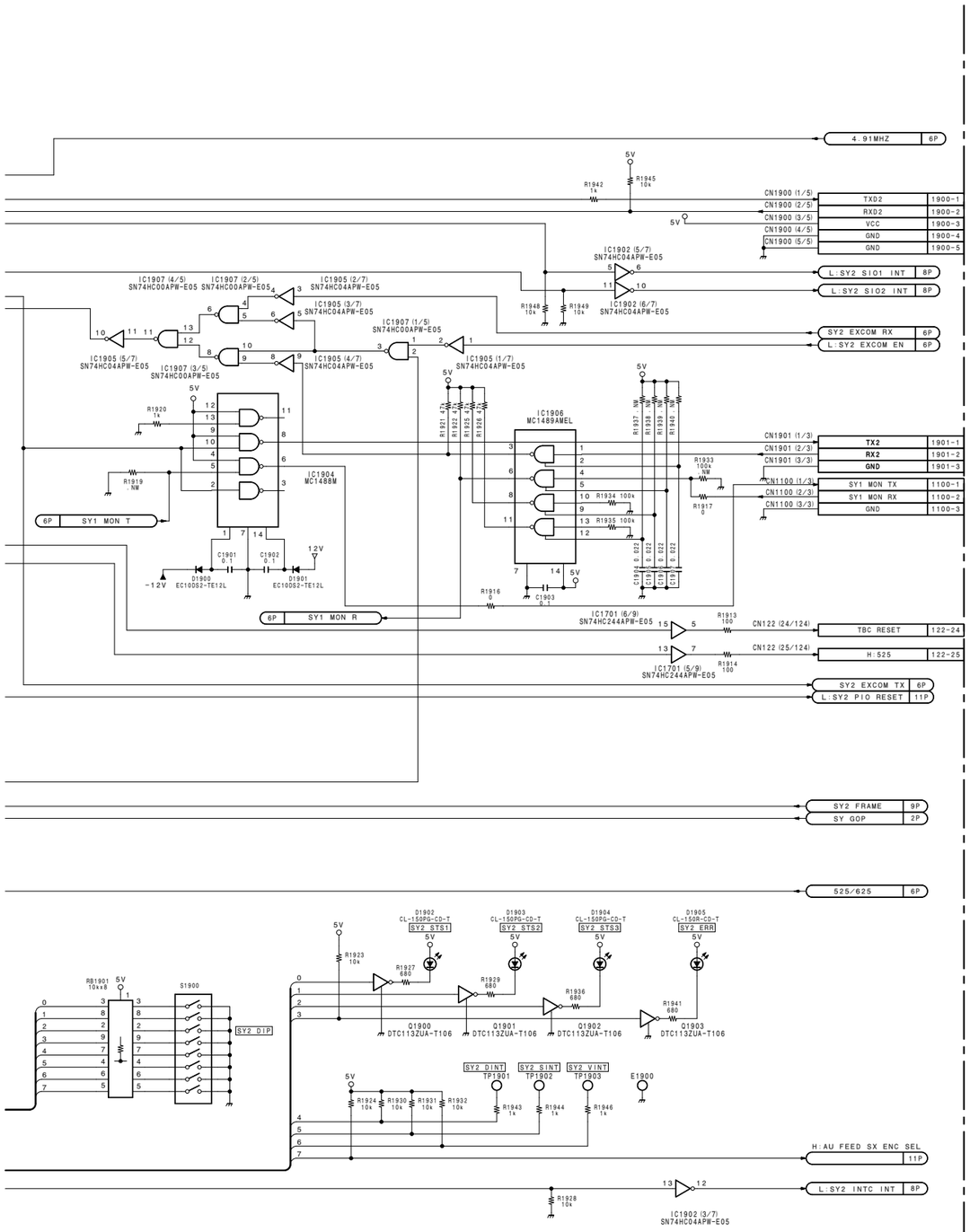


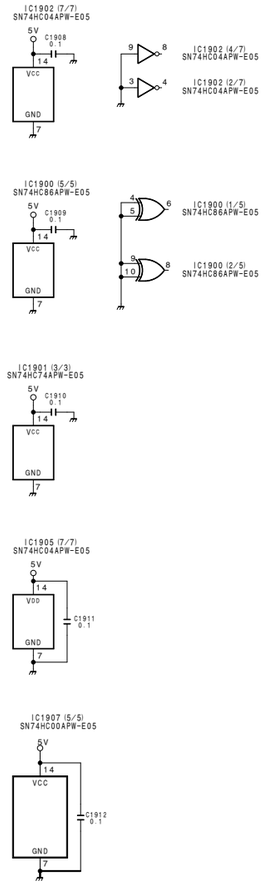


System control, Servo control
SS-83 (9/16) (For DNW-75/75P/65/65P)
BOARD NO. 1-670-580-12
LOT NO. 905-

System control, Servo control, DT control
SS-83 (9/16) (For DNW-A75/A75P/A65/A65P)
BOARD NO. 1-670-580-11,12
LOT NO. 804-

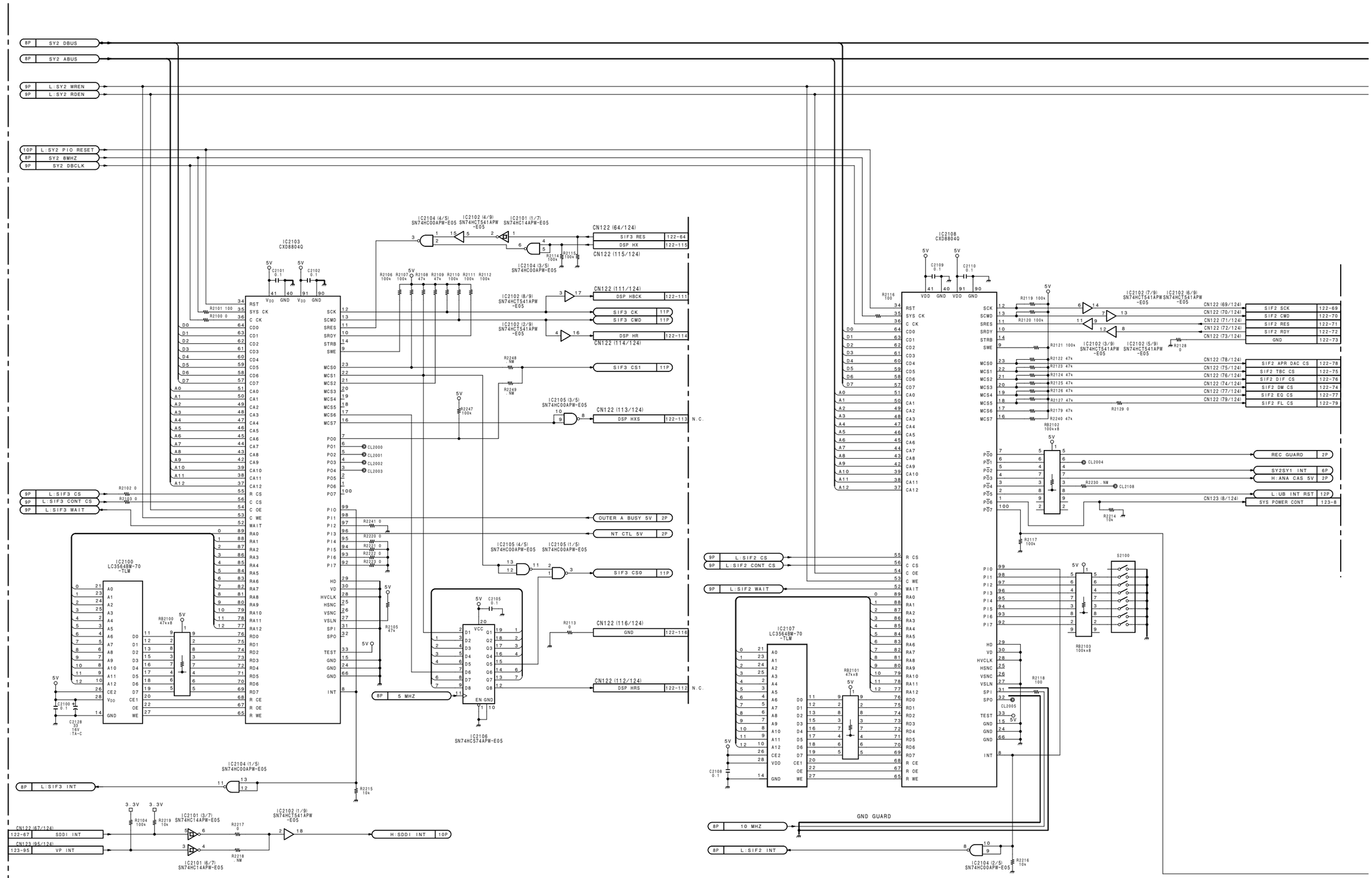

2P SV REF
9P SY2 VINT
3P SVSY2 INT
7P SY1SY2 INT
11P H:SDDI INT
R1900 100
IC1901 (1/3) SN74HC74APW-E05
IC1901 (2/3) SN74HC74APW-E05
IC1900 (4/5) SN74HC86APW-E05
IC1900 (3/5) SN74HC86APW-E05
IC1902 (1/7) SN74HC04APW-E05
8P 2.5MHZ
9P SY2 HALFCLK
2P SY FRAME
SY2 EXT FRAME 9P
122-20 Y GH
CN122 (20/124)
IC1903 (2/2) CXD9001AR
TP1900 SY2 100K
R1915 NM
C1913 0.1
R1909 1k
R1912 1k
R1918 10k
R1910 47k
RB1900 10x8
R1947 10x
R1951 10x
R1954 10x
R1957 NM
CL1900
CL1901
CL1902
CL1906
CL1907
VDD
INTP0
INTP1
INTP2
INTP3
INTP4
INTP5
INTP6
INTP7
INT
CTC1CLK0
CTC1G0
CTC1OUT0
CTC1CLK1
CTC1G1
CTC1OUT1
CTC1CLK2
CTC1G2
CTC1OUT2
CTC2CLK0
CTC2G0
CTC2OUT0
CTC2CLK1
CTC2G1
CTC2OUT1
CTC2CLK2
CTC2G2
CTC2OUT2
TEST0
TEST1
TEST2
TEST3
NC
VDD
GND
GND GND
SIOCLK
SIO1TXD
SIO1RXD
SIO1INT
SIO2CTS
SIO2DSR
SIO2INT
SIO2BRK
SIO2TXD
SIO2RXD
SIORDN
SIOWRN
SIOCDN
SIOBAN
PIO1P00
PIO1P01
PIO1P02
PIO1P03
PIO1P04
PIO1P05
PIO1P06
PIO1P07
PIO1P010
PIO1P011
PIO1P012
PIO1P013
PIO1P014
PIO1P015
PIO1P016
PIO1P017
PIO1P020
PIO1P021
PIO1P022
PIO1P023
PIO1P024
PIO1P025
PIO1P026
PIO1P027
PIO2P00
PIO2P01
PIO2P02
PIO2P03
PIO2P04
PIO2P05
PIO2P06
PIO2P07
PIO2P10
PIO2P11
PIO2P12
PIO2P13
PIO2P14
PIO2P15
PIO2P16
PIO2P17
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PIO2P23
PIO2P24
PIO2P25
PIO2P26
PIO2P27

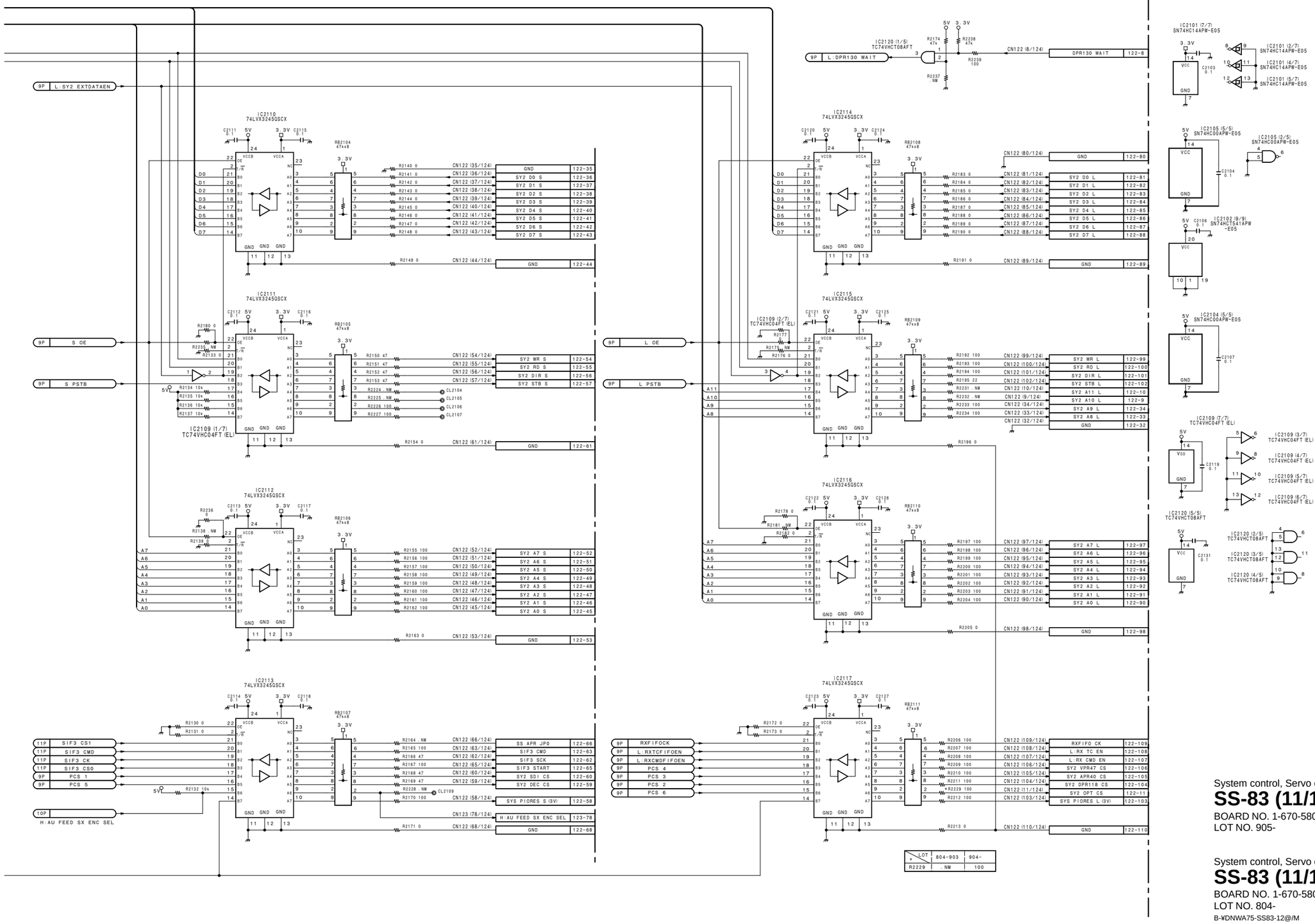




System control, Servo control
SS-83 (10/16) (For DNW-75/75P/65/65P)
BOARD NO. 1-670-580-12
LOT NO. 905-

System control, Servo control, DT control
SS-83 (10/16) (For DNW-A75/A75P/A65/A65P)
BOARD NO. 1-670-580-11,12
LOT NO. 804-
B-¥DNWA75-SS83-12@/M


8P SY2 DBUS
8P SY2 ABUS
9P L:SY2 WREN
9P L:SY2 RDEN
10P L:SY2 PIO RESET
8P SY2 8MHZ
9P SY2 DBCLK
IC2103 CXD8804Q
IC2100 LC35648M-70 -TLM
IC2104 (4/5) SN74HC00APW-E05
IC2102 (4/9) SN74HCT541APW -E05
IC2101 (1/7) SN74HC14APW-E05
IC2104 (3/5) SN74HC00APW-E05
IC2102 (8/9) SN74HCT541APW -E05
IC2102 (2/9) SN74HCT541APW -E05
IC2105 (3/5) SN74HC00APW-E05
IC2105 (4/5) SN74HC00APW-E05
IC2105 (1/5) SN74HC00APW-E05
IC2106 SN74HC574APW-E05
IC2104 (1/5) SN74HC00APW-E05
IC2101 (3/7) SN74HC14APW-E05
IC2102 (1/9) SN74HCT541APW -E05
IC2101 (6/7) SN74HC14APW-E05
CN122 (64/124)
SIF3 RES 122-64
DSP HX 122-115
CN122 (115/124)
CN122 (111/124)
DSP HBCK 122-111
SIF3 CK 11P
SIF3 CMD 11P
DSP HR 122-114
CN122 (114/124)
SIF3 CS1 11P
CN122 (113/124)
DSP HXS 122-113 N.C.
OUTER A BUSY 5V 2P
NT CTL 5V 2P
SIF3 CS0 11P
CN122 (116/124)
GND 122-116
CN122 (112/124)
DSP HRS 122-112 N.C.
8P 5 MHZ
9P L:SIF3 CS
9P L:SIF3 CONT CS
9P L:SIF3 WAIT
8P L:SIF3 INT
CN122 (67/124) 122-67 SDDI INT
CN123 (95/124) 123-95 VP INT
H:SDDI INT 10P
IC2108 CXD8804Q
IC2107 LC35648M-70 -TLM
IC2102 (7/9) SN74HCT541APW -E05
IC2102 (6/9) SN74HCT541APW -E05
IC2102 (3/9) SN74HCT541APW -E05
IC2102 (5/9) SN74HCT541APW -E05
CN122 (69/124) SIF2 SCK 122-69
CN122 (70/124) SIF2 CMD 122-70
CN122 (71/124) SIF2 RES 122-71
CN122 (72/124) SIF2 RDY 122-72
CN122 (73/124) GND 122-73
CN122 (78/124) SIF2 APR DAC CS 122-78
CN122 (75/124) SIF2 TBC CS 122-75
CN122 (76/124) SIF2 DIF CS 122-76
CN122 (74/124) SIF2 DM CS 122-74
CN122 (77/124) SIF2 EQ CS 122-77
CN122 (79/124) SIF2 FL CS 122-79
REC GUARD 2P
SY2SY1 INT 6P
H:ANA CAS 5V 2P
L:UB INT RST 12P
CN123 (8/124) SYS POWER CONT 123-8
9P L:SIF2 CS
9P L:SIF2 CONT CS
9P L:SIF2 WAIT
8P 10 MHZ
8P L:SIF2 INT
GND GUARD
IC2104 (2/5) SN74HC00APW-E05



System control, Servo control

SS-83 (11/16) (For DNW-75/75P/65/65P)

BOARD NO. 1-670-580-12

LOT NO. 905-

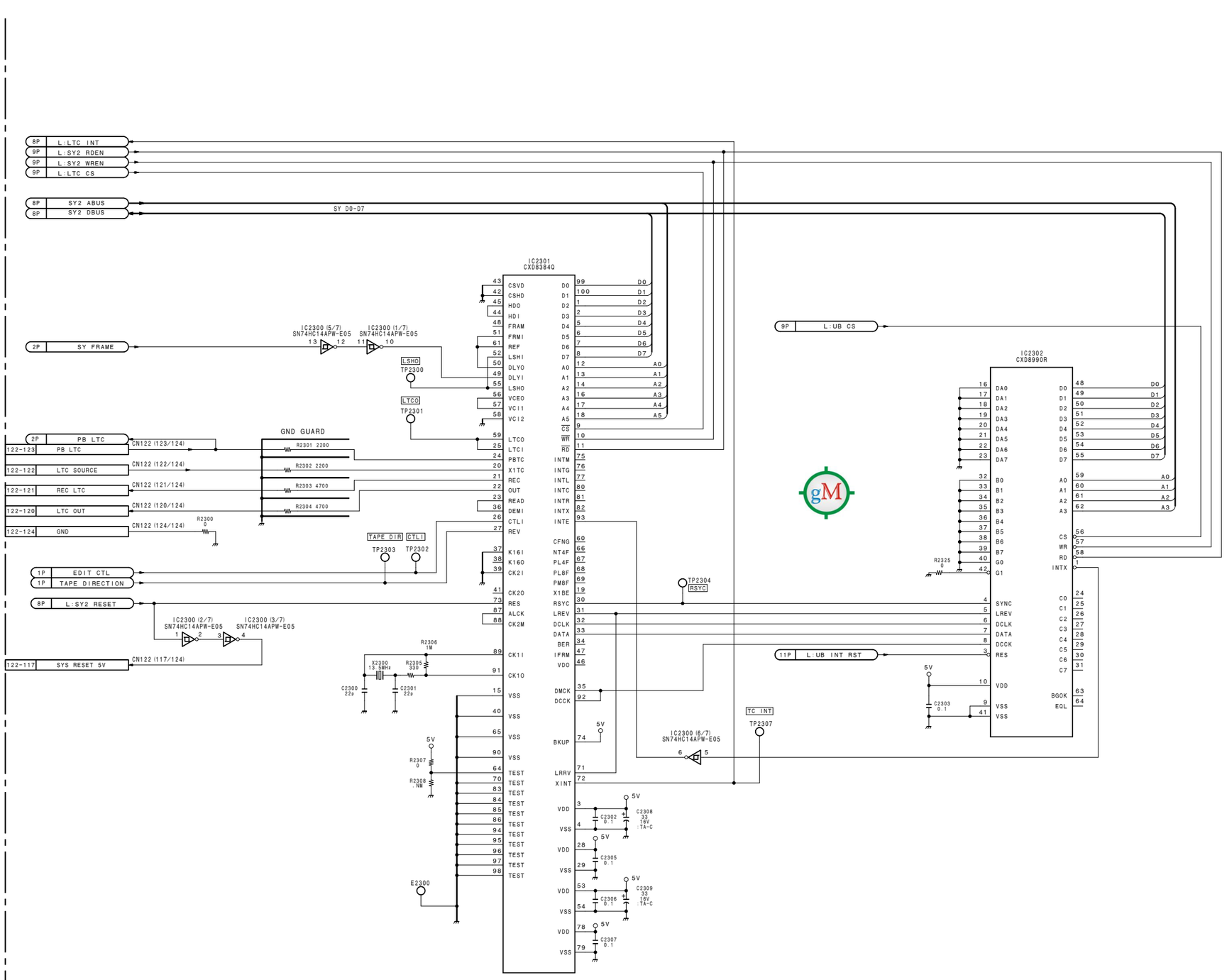
System control, Servo control, DT control

SS-83 (11/16) (For DNW-A75/A75P/A65/A65P)

BOARD NO. 1-670-580-11,12

LOT NO. 804-

B-¥DNWA75-SS83-12@/M



System control, Servo control

SS-83 (12/16) (For DNW-75/75P/65/65P)

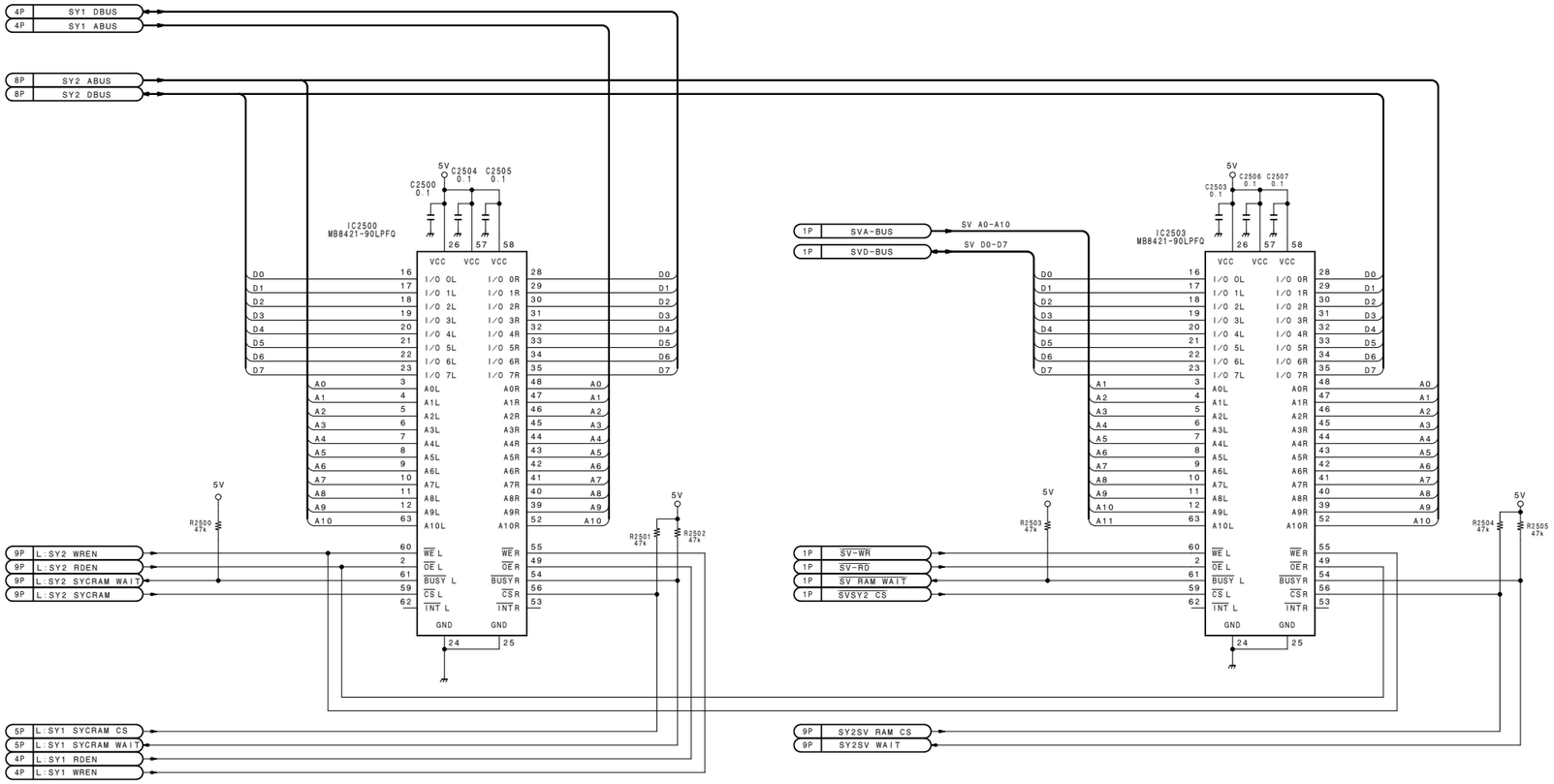
BOARD NO. 1-670-580-12
LOT NO. 905-

System control, Servo control, DT control

SS-83 (12/16) (For DNW-A75/A75P/A65/A65P)

BOARD NO. 1-670-580-11,12
LOT NO. 804-

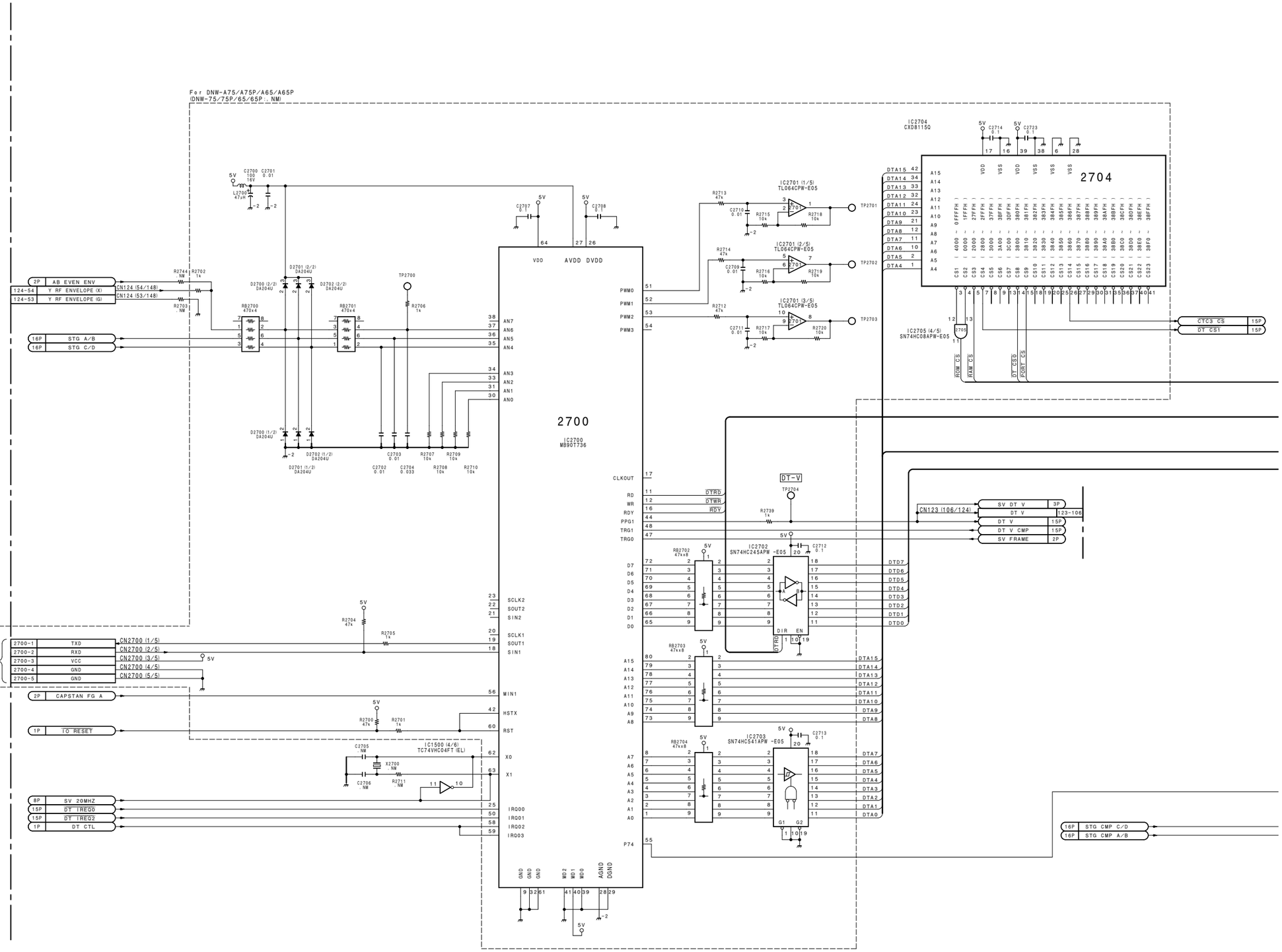
B-¥DNWA75-SS83-12@/M



System control, Servo control
SS-83 (13/16) (For DNW-75/75P/65/65P)
BOARD NO. 1-670-580-12
LOT NO. 905-

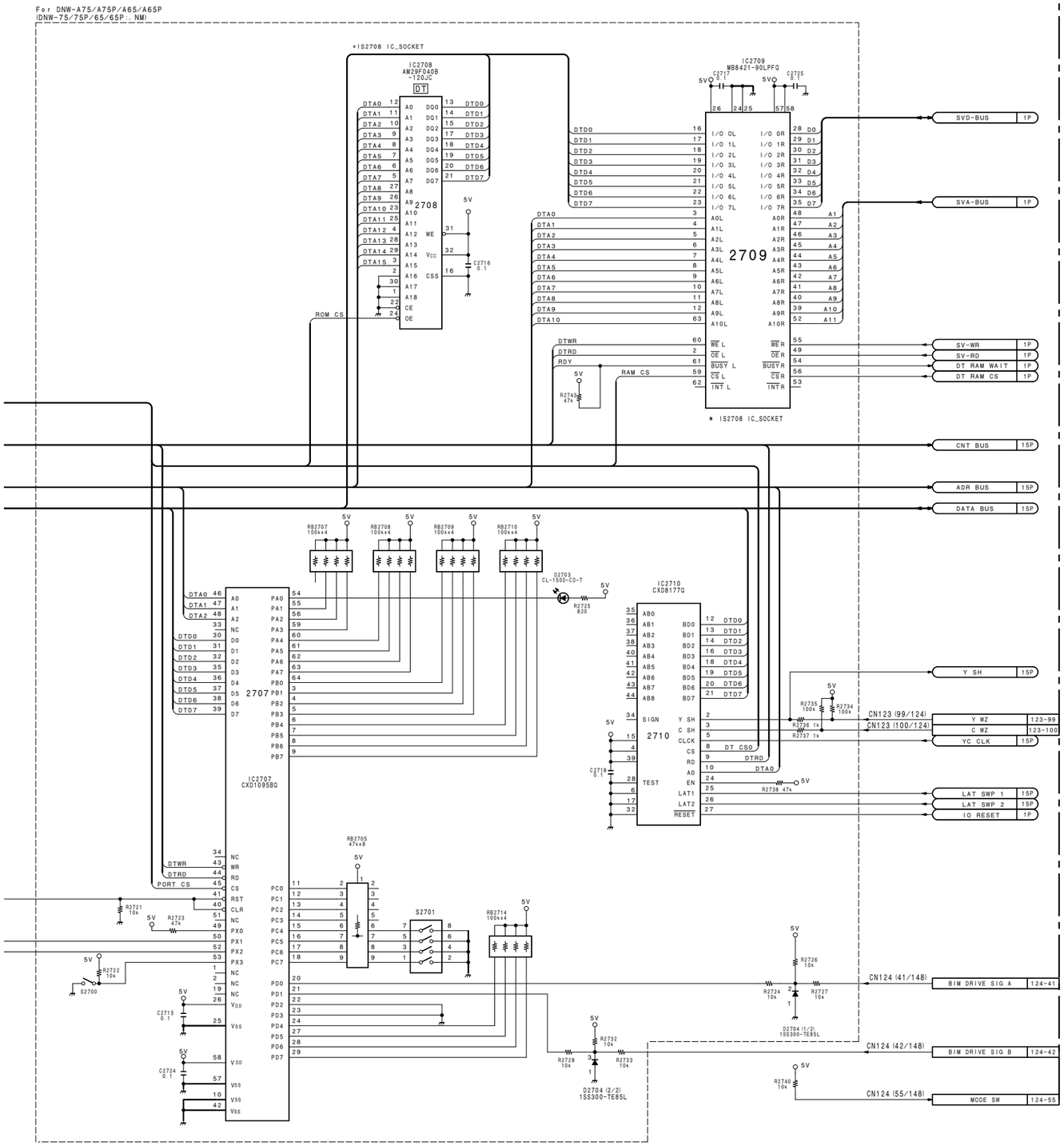
System control, Servo control, DT control
SS-83 (13/16) (For DNW-A75/A75P/A65/A65P)
BOARD NO. 1-670-580-11,12
LOT NO. 804-
B-¥DNWA75-SS83-12@/M

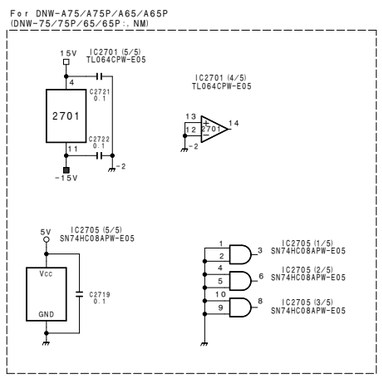
SS-83 (14/16)

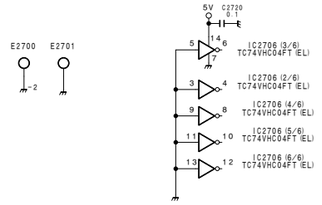


3-162

DNW-75/75P
DNW-65/65P







System control, Servo control

SS-83 (14/16) (For DNW-75/75P/65/65P)

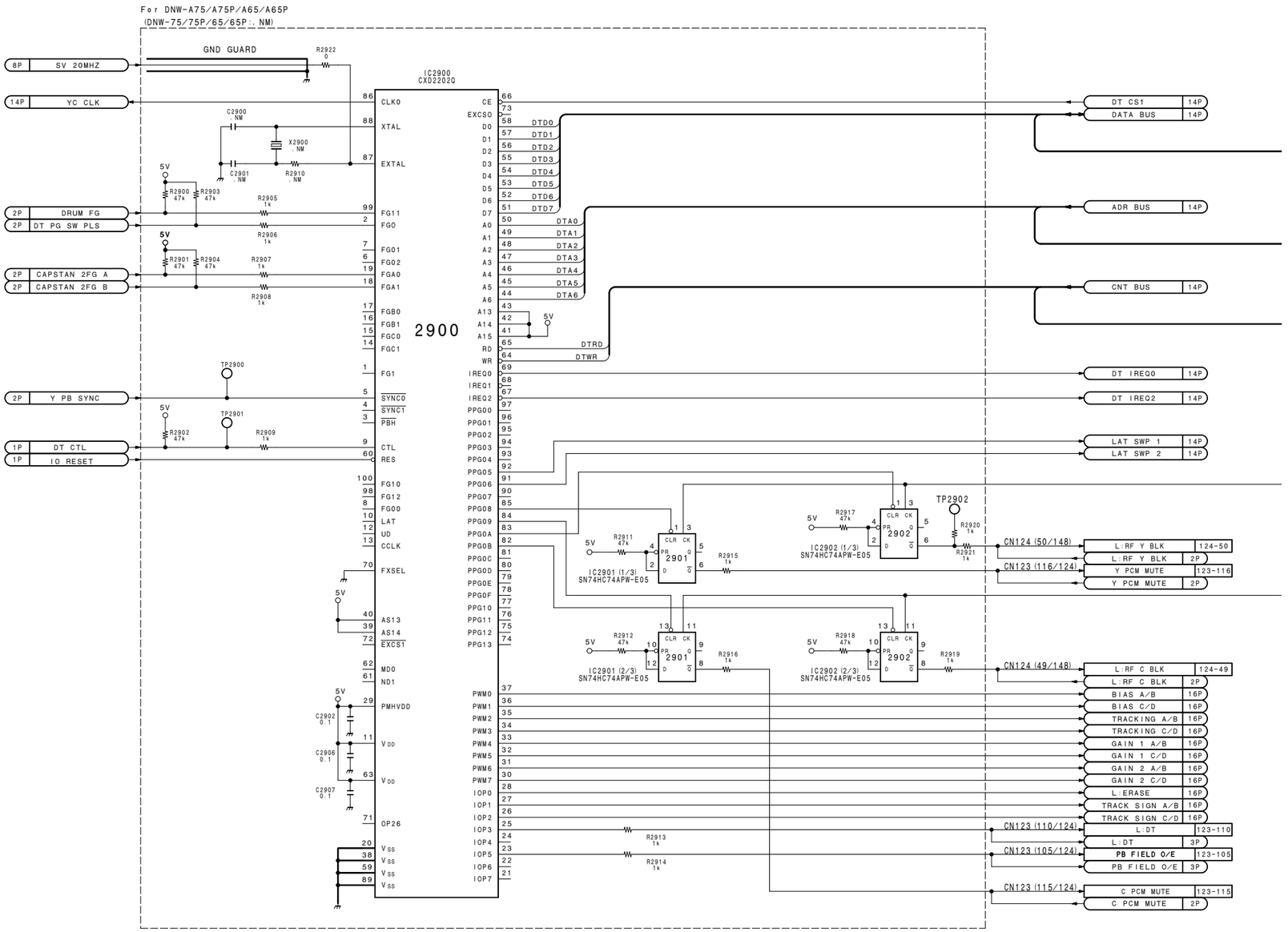
BOARD NO. 1-670-580-12
LOT NO. 905-

System control, Servo control, DT control

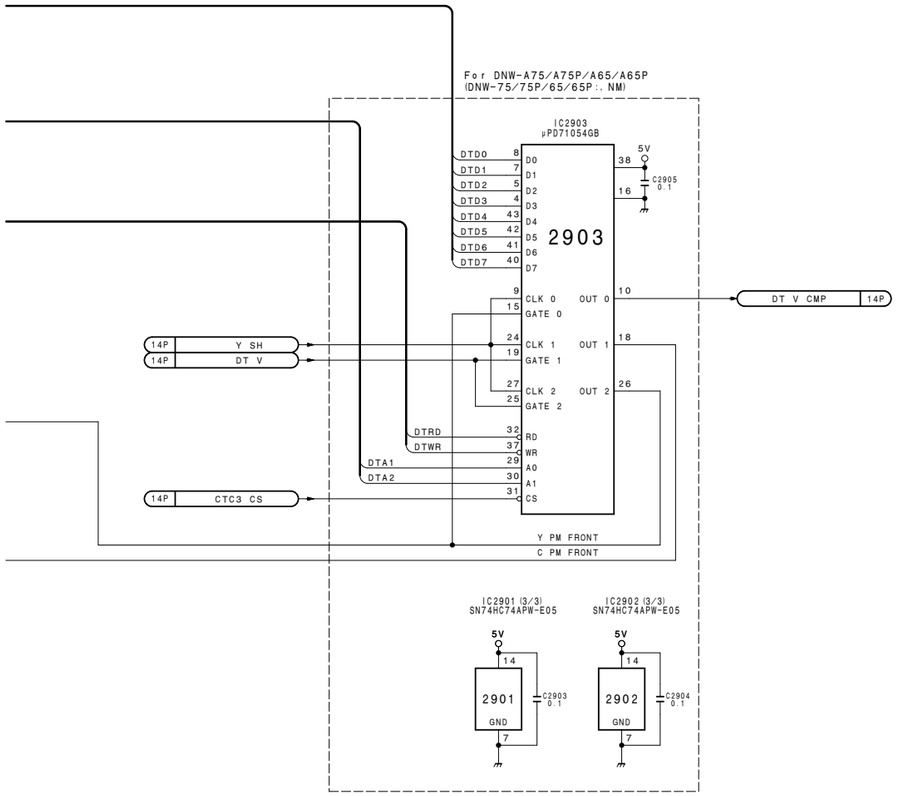
SS-83 (14/16) (For DNW-A75/A75P/A65/A65P)

BOARD NO. 1-670-580-11,12
LOT NO. 804-

B-¥DNWA75-SS83-12@/M


For DNW-A75/A75P/A65/A65P
(DNW-75/75P/65/65P : NM)
IC2900
CXD2202Q
2900
GND GUARD
R2922 0
8P SV 20MHZ
14P YC CLK
C2900 .NM
X2900 .NM
C2901 .NM
R2910 .NM
5V
R2900 47k
R2903 47k
R2905 1k
2P DRUM FG
2P DT PG SW PLS
R2906 1k
R2901 47k
R2904 47k
R2907 1k
2P CAPSTAN 2FG A
2P CAPSTAN 2FG B
R2908 1k
TP2900
2P Y PB SYNC
TP2901
R2902 47k
R2909 1k
1P DT CTL
1P IO RESET
C2902 0.1
C2906 0.1
C2907 0.1
CLK0
XTAL
EXTAL
FG11
FGO
FG01
FG02
FGA0
FGA1
FGB0
FGB1
FGC0
FGC1
FG1
SYNC0
SYNC1
PBH
CTL
RES
FG10
FG12
FGO0
LAT
UD
CCLK
FXSEL
AS13
AS14
EXCST
MDO
ND1
PMHVDD
VDD
VDD
OP26
VSS
VSS
VSS
VSS
CE
EXCSO
D0
D1
D2
D3
D4
D5
D6
D7
A0
A1
A2
A3
A4
A5
A6
A13
A14
A15
RD
WR
IREQ0
IREQ1
IREQ2
PPG00
PPG01
PPG02
PPG03
PPG04
PPG05
PPG06
PPG07
PPG08
PPG09
PPG0A
PPG0B
PPG0C
PPG0D
PPG0E
PPG0F
PPG10
PPG11
PPG12
PPG13
PWM0
PWM1
PWM2
PWM3
PWM4
PWM5
PWM6
PWM7
IOP0
IOP1
IOP2
IOP3
IOP4
IOP5
IOP6
IOP7
DTD0
DTD1
DTD2
DTD3
DTD4
DTD5
DTD6
DTD7
DTA0
DTA1
DTA2
DTA3
DTA4
DTA5
DTA6
DTRD
DTWR
DT CS1 14P
DATA BUS 14P
ADR BUS 14P
CNT BUS 14P
DT IREQ0 14P
DT IREQ2 14P
LAT SWP 1 14P
LAT SWP 2 14P
IC2901 (1/3) SN74HC74APW-E05
IC2901 (2/3) SN74HC74APW-E05
IC2902 (1/3) SN74HC74APW-E05
IC2902 (2/3) SN74HC74APW-E05
R2911 47k
R2915 1k
R2912 47k
R2916 1k
R2917 47k
R2920 1k
R2921 1k
R2918 47k
R2919 1k
R2913 1k
R2914 1k
TP2902
CN124 (50/148)
CN123 (116/124)
L:RF Y BLK 124-50
L:RF Y BLK 2P
Y PCM MUTE 123-116
Y PCM MUTE 2P
CN124 (49/148)
L:RF C BLK 124-49
L:RF C BLK 2P
BIAS A/B 16P
BIAS C/D 16P
TRACKING A/B 16P
TRACKING C/D 16P
GAIN 1 A/B 16P
GAIN 1 C/D 16P
GAIN 2 A/B 16P
GAIN 2 C/D 16P
L:ERASE 16P
TRACK SIGN A/B 16P
TRACK SIGN C/D 16P
CN123 (110/124)
L:DT 123-110
CN123 (105/124)
L:DT 3P
PB FIELD O/E 123-105
PB FIELD O/E 3P
CN123 (115/124)
C PCM MUTE 123-115
C PCM MUTE 2P

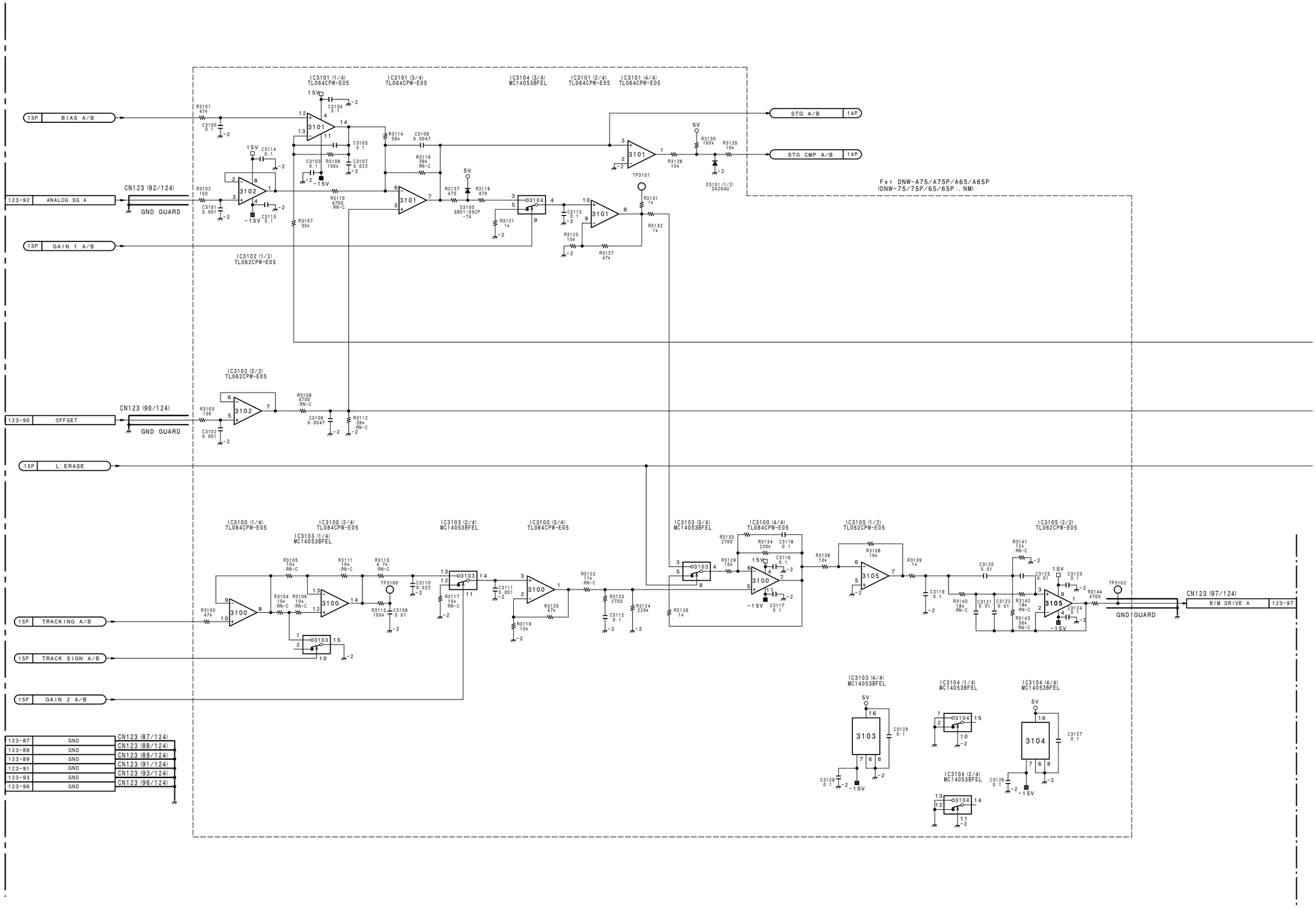
http://getMANUAL.com



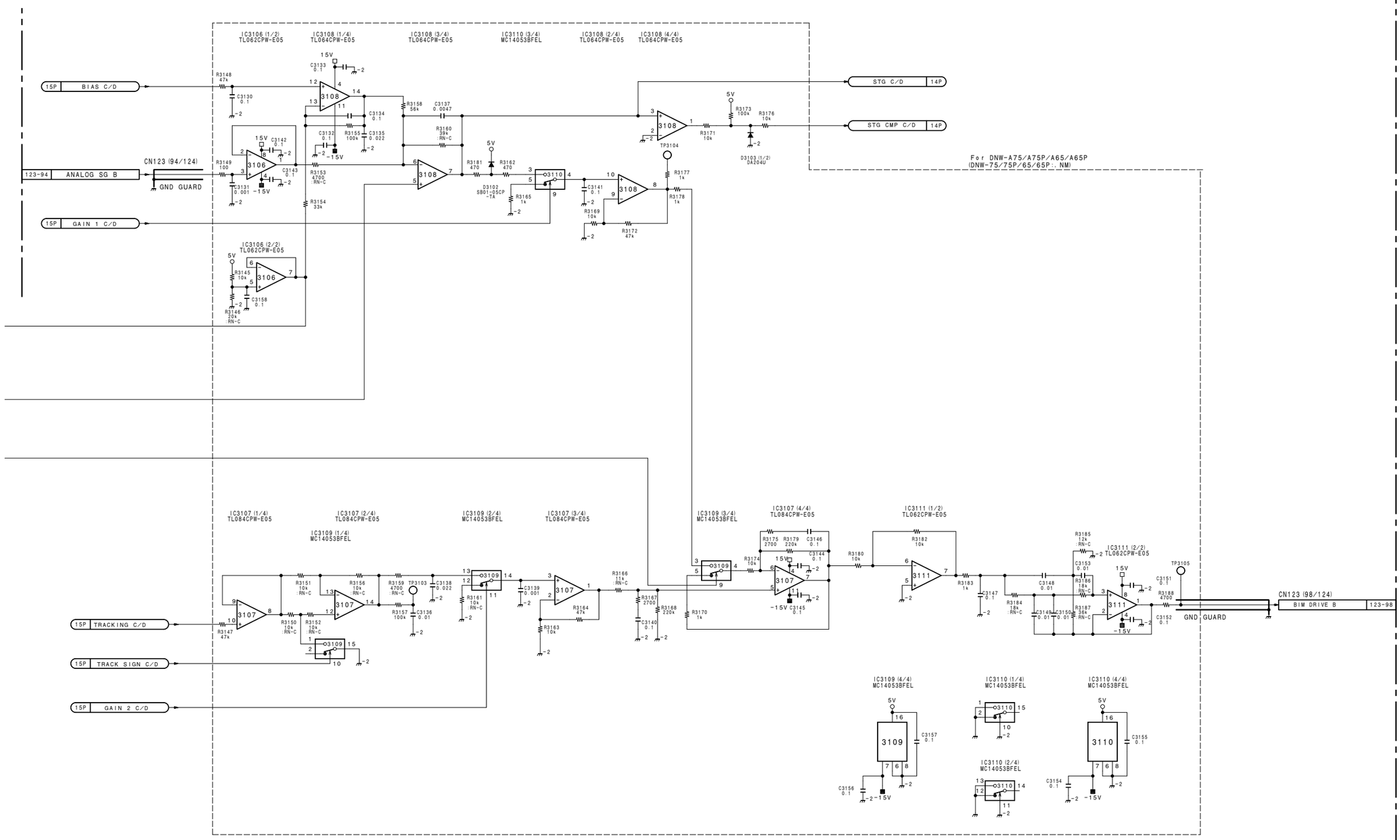
System control, Servo control
SS-83 (15/16) (For DNW-75/75P/65/65P)
BOARD NO. 1-670-580-12
LOT NO. 905-

System control, Servo control, DT control
SS-83 (15/16) (For DNW-A75/A75P/A65/A65P)
BOARD NO. 1-670-580-11,12
LOT NO. 804-
B-¥DNWA75-SS83-12@/M

SS-83 (16/16)



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System control, Servo control

SS-83 (16/16) (For DNW-75/75P/65/65P)

BOARD NO. 1-670-580-12
LOT NO. 905-

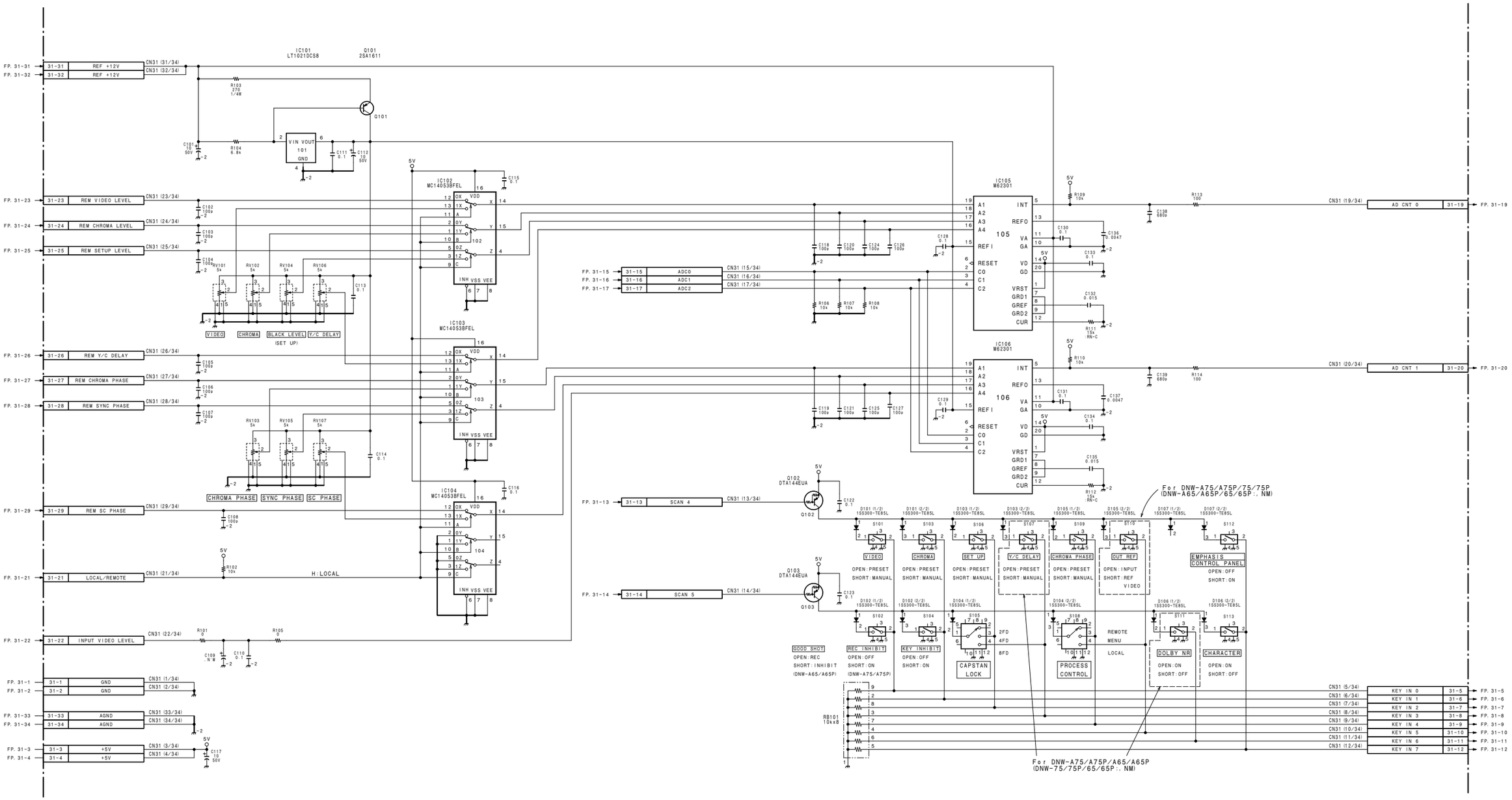
System control, Servo control, DT control

SS-83 (16/16) (For DNW-A75/A75P/A65/A65P)

BOARD NO. 1-670-580-11,12
LOT NO. 804-

B-¥DNWA75-SS83-12@/M

コネクタの接続先についてはFrame Wiring（3-220/224 ページ）を参照。
Refer to the Farme Wiring (Page 3-220/224) in regard to destinations of connectors.



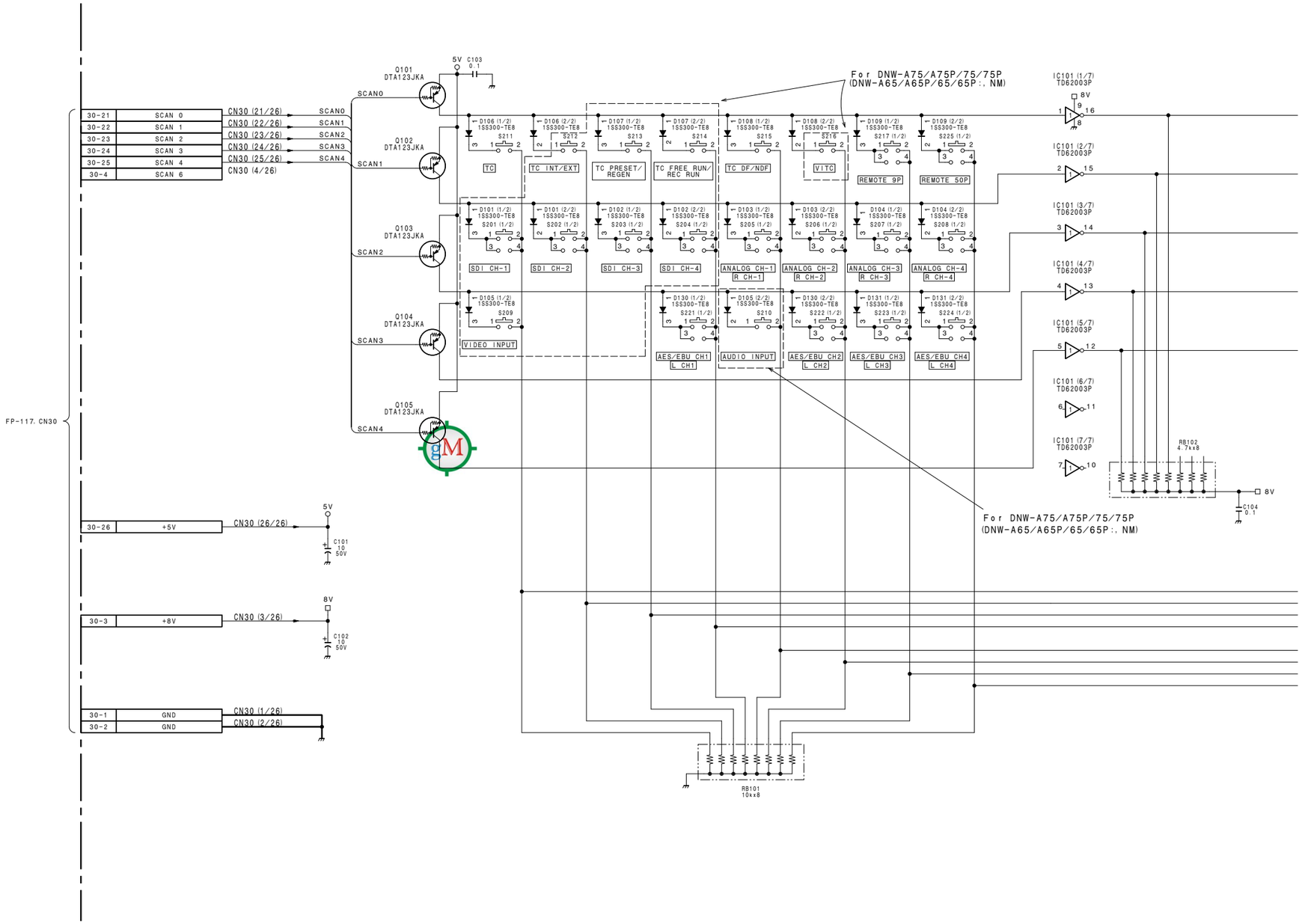
Sub control panel function

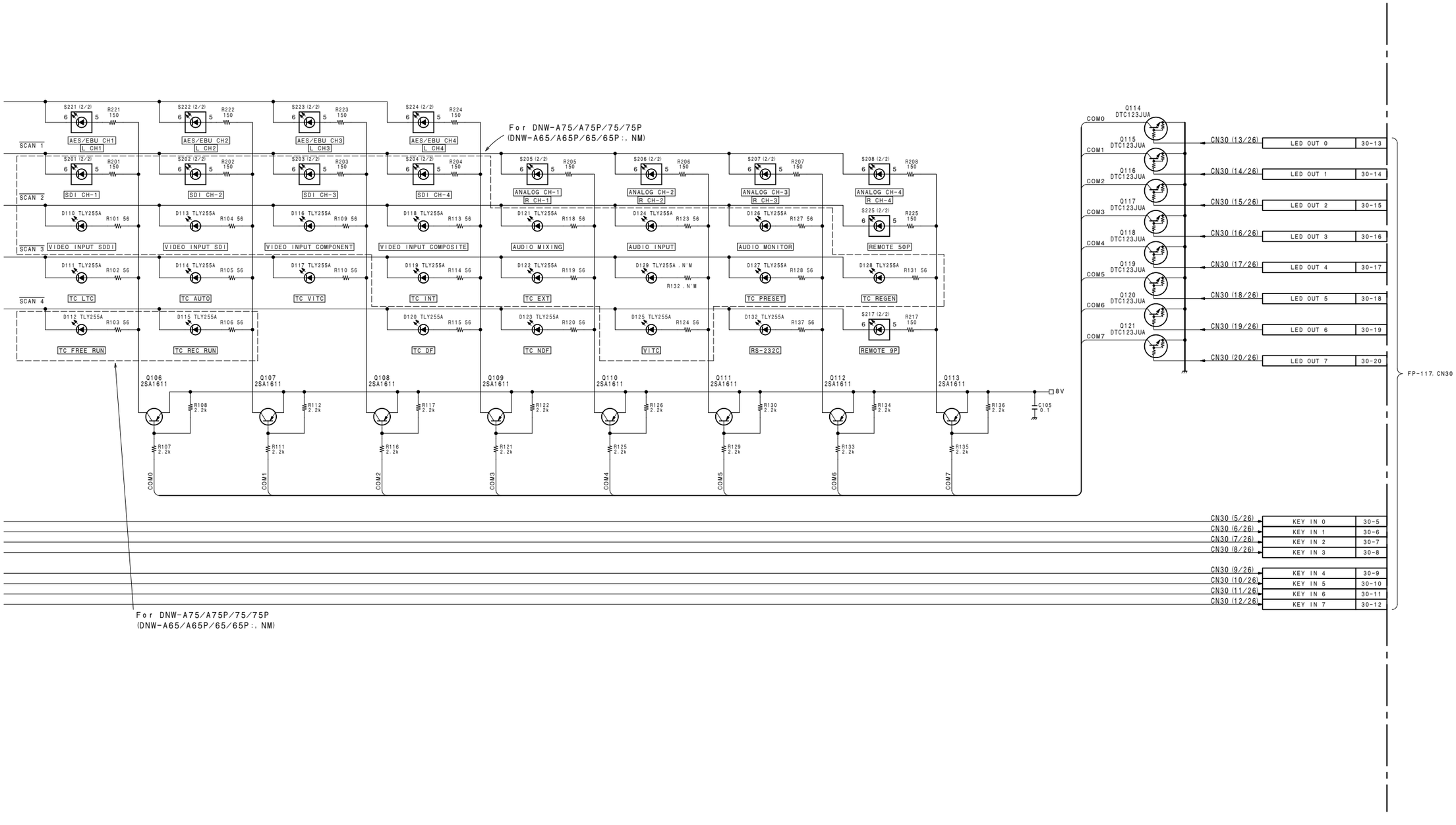
SWC-31

BOARD NO. 1-661-146-12
LOT NO. 804- (SWC-31K: For DNW-A75/A75P)
LOT NO. 807- (SWC-31L: For DNW-A65/A65P)
LOT NO. 906- (SWC-31M: For DNW-75/75P)
LOT NO. 906- (SWC-31N: For DNW-65/65P)

B-¥DNWA75-SWC31-12/M

コネクタの接続先についてはFrame Wiring（3-220/224 ページ）を参照。
Refer to the Farme Wiring (Page 3-220/224) in regard to destinations of connectors.





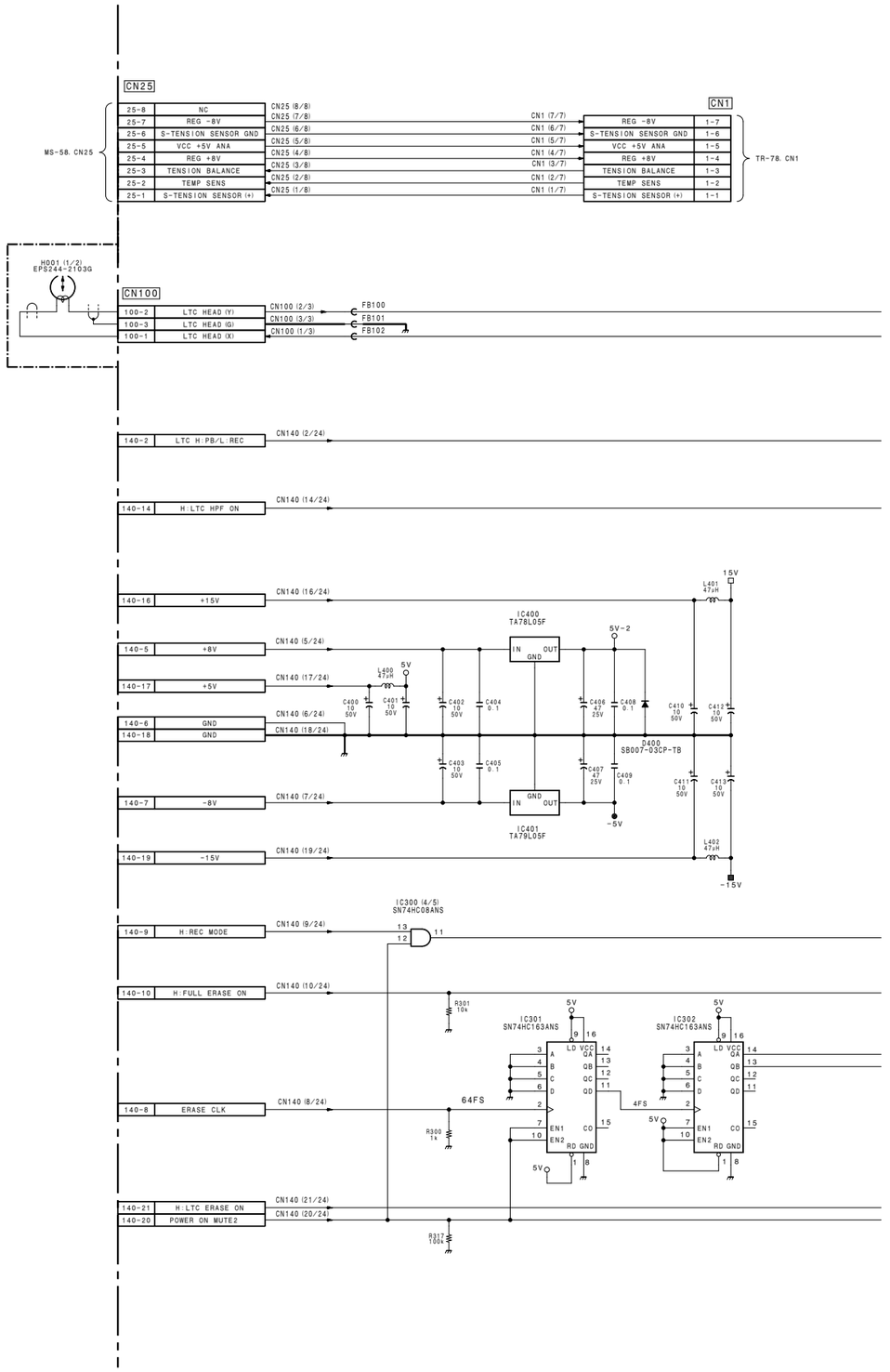
Upper control panel function (Switches, LEDs)

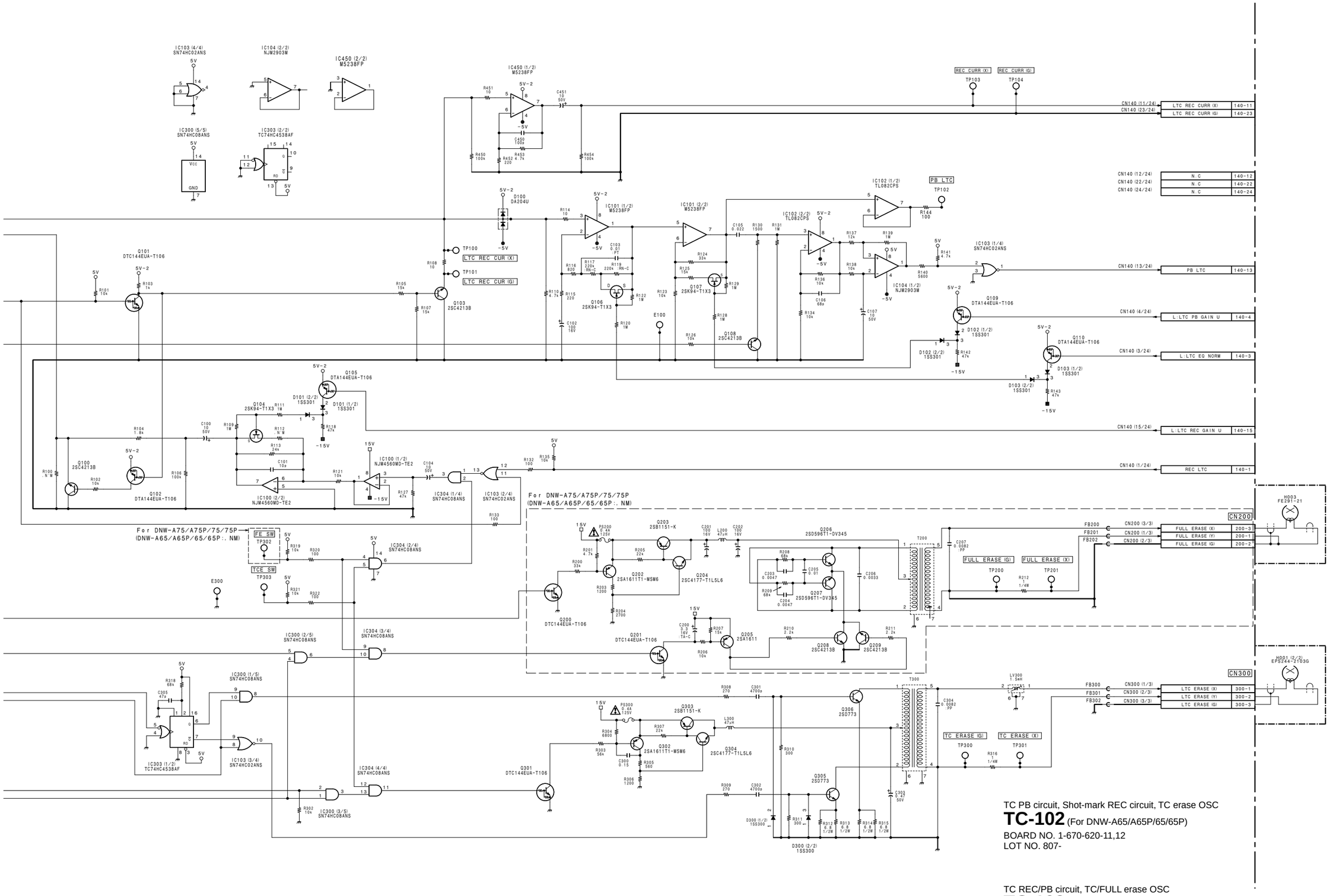
SWC-35

BOARD NO. 1-670-598-11
LOT NO. 804- (For DNW-A75/A75P/75/75P)
LOT NO. 807- (For DNW-A65/A65P/65/65P)

B-¥DNWA75-SWC35-11-PCN/M

コネクタの接続先についてはFrame Wiring（3-219/223 ページ）を参照。
Refer to the Farme Wiring (Page 3-219/223) in regard to destinations of connectors.





TC PB circuit, Shot-mark REC circuit, TC erase OSC

TC-102 (For DNW-A65/A65P/65/65P)

BOARD NO. 1-670-620-11,12
LOT NO. 807-

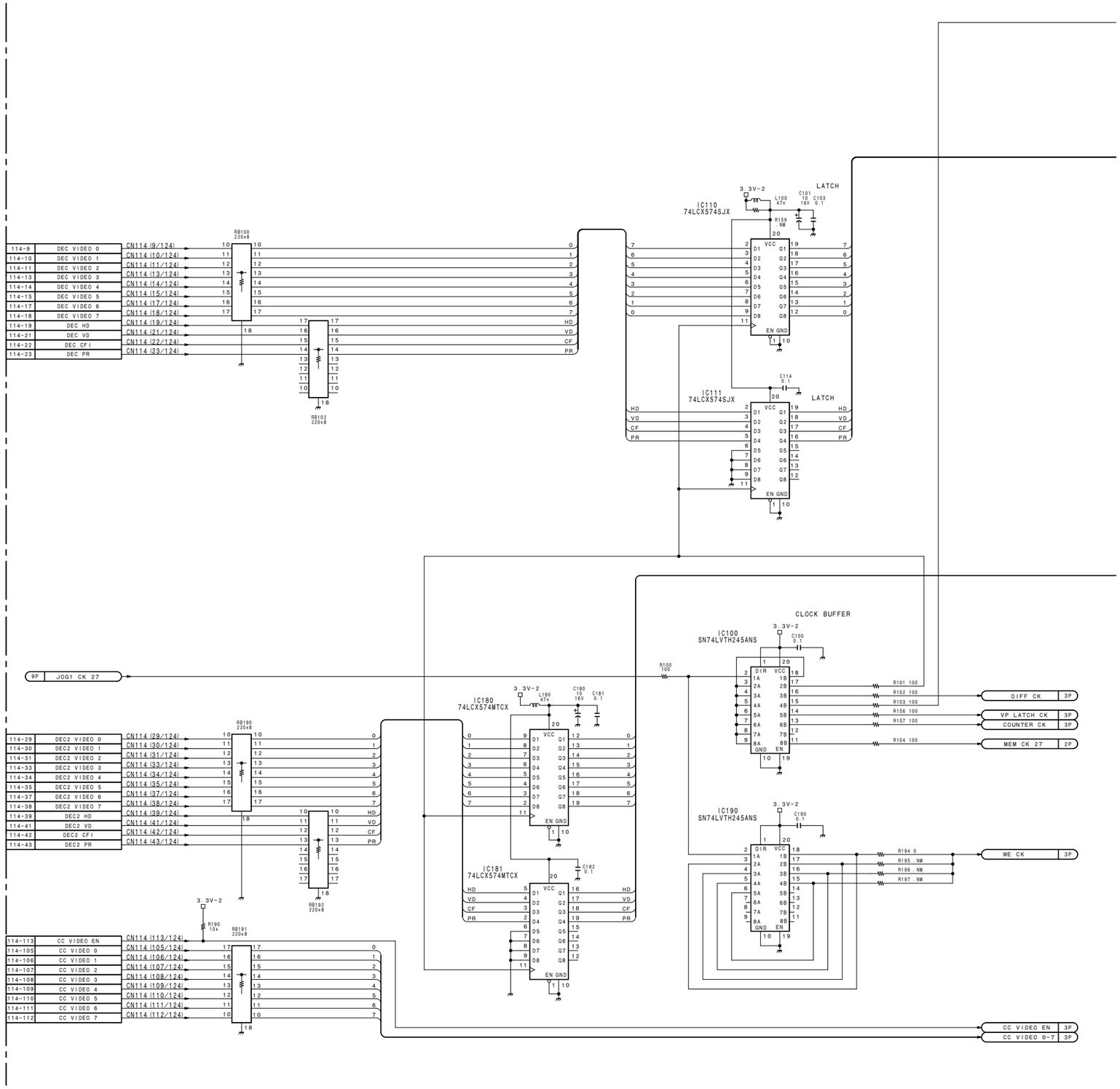
TC REC/PB circuit, TC/FULL erase OSC

TC-102 (For DNW-A75/A75P/75/75P)

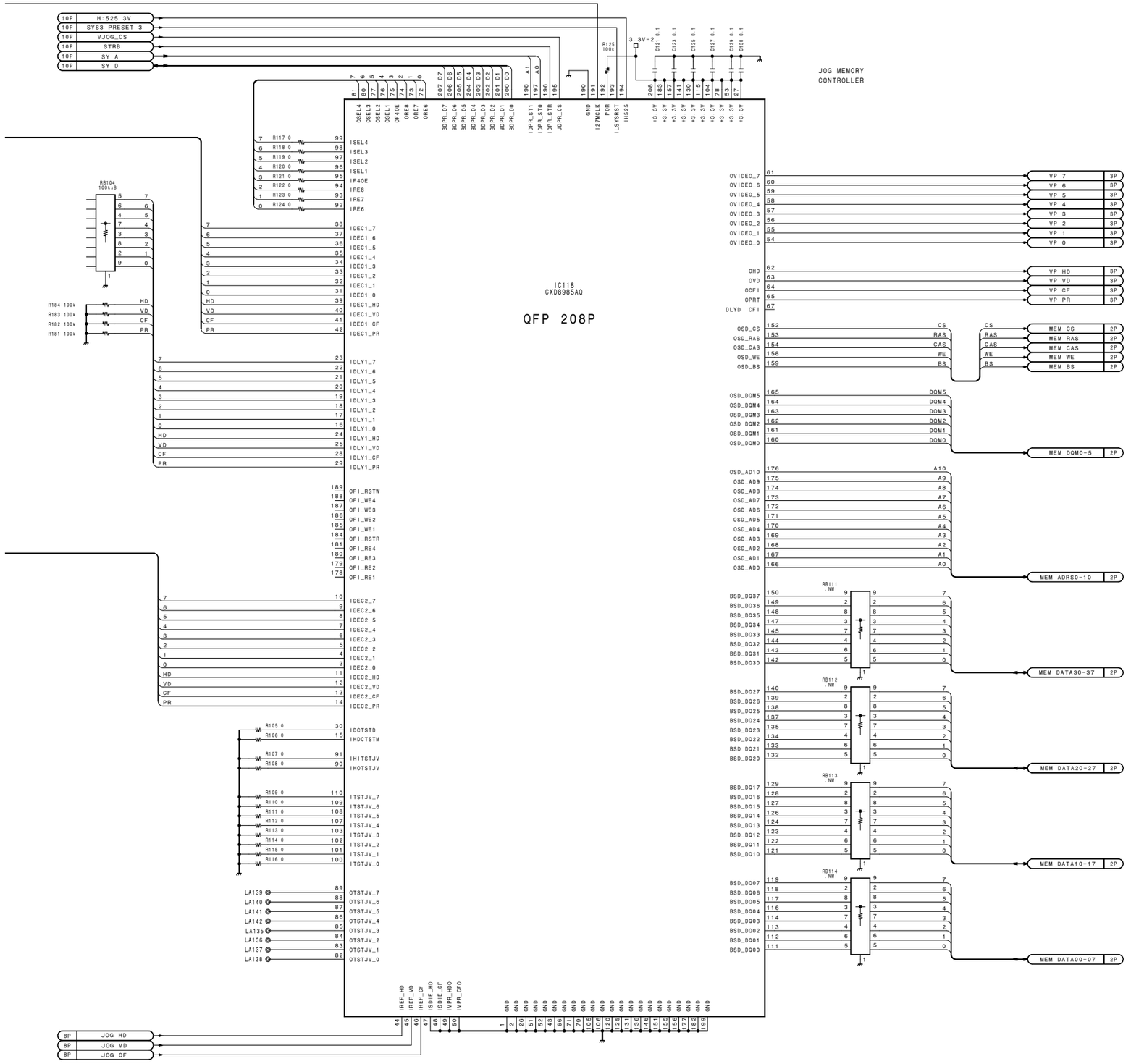
BOARD NO. 1-670-620-11,12
LOT NO. 804-

B-¥DNWA75-TC102-11/M

コネクタの接続先についてはMB−818基板回路図（ 3-98 ページ）を参照。
Refer to the MB-818 board schematic diagrams (Page 3-98) in regard to destinations of connectors.



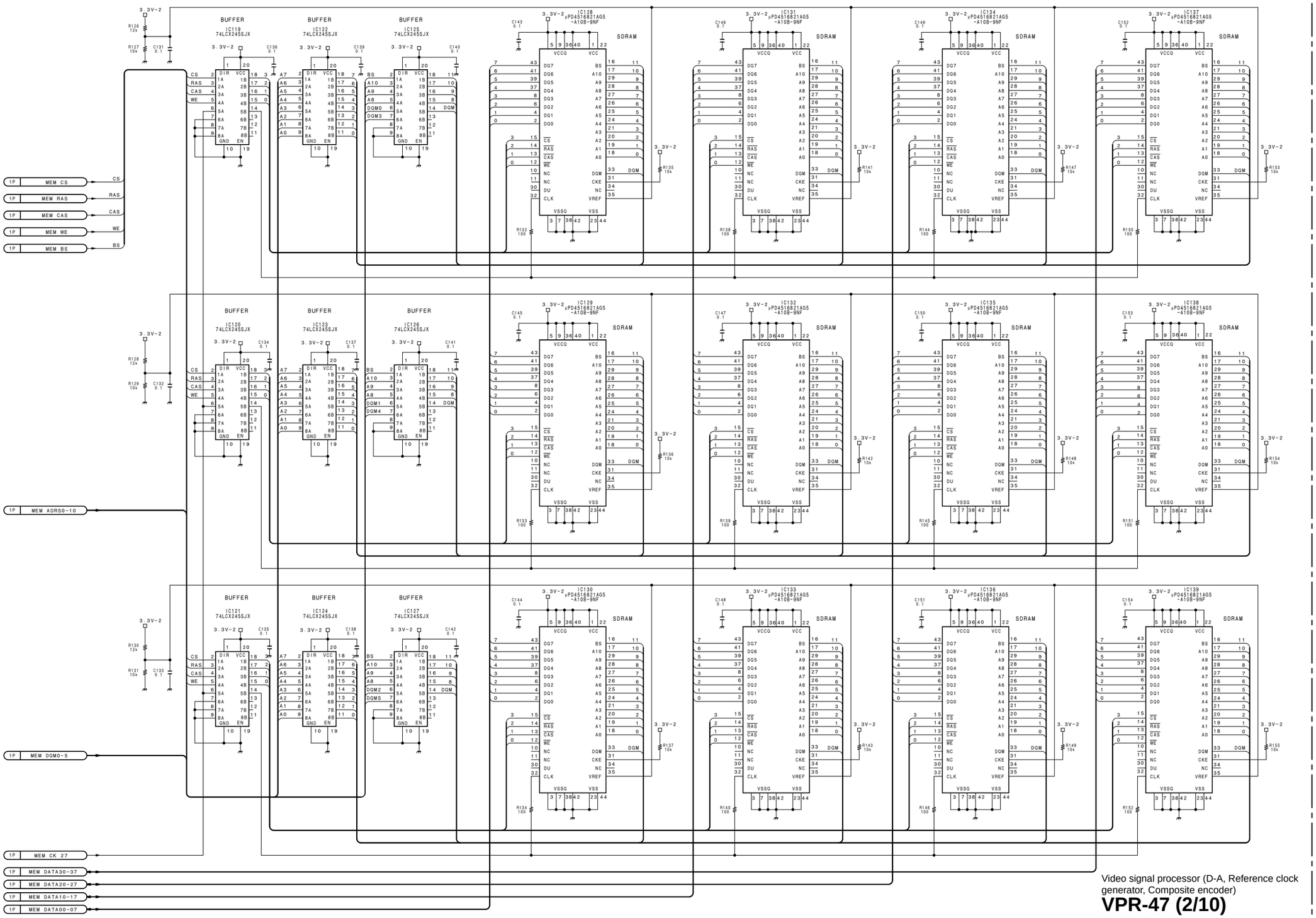
http://getMANUAL.com



Video signal processor (D-A, Reference clock generator, Composite encoder)

VPR-47 (1/10)

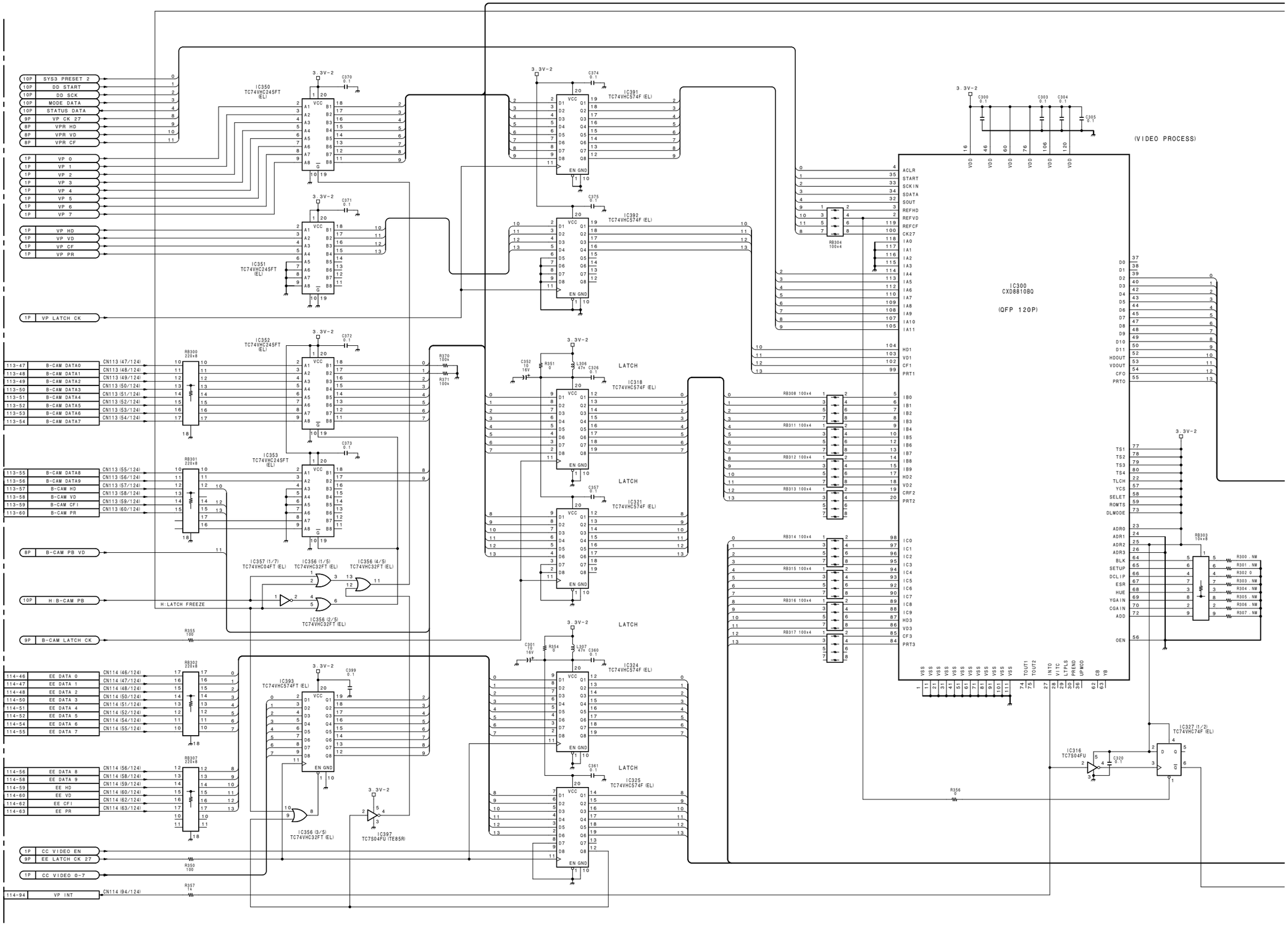
BOARD NO. 1-670-581-11
LOT NO. 804-
B-¥DNWA75-VPR47-11/M

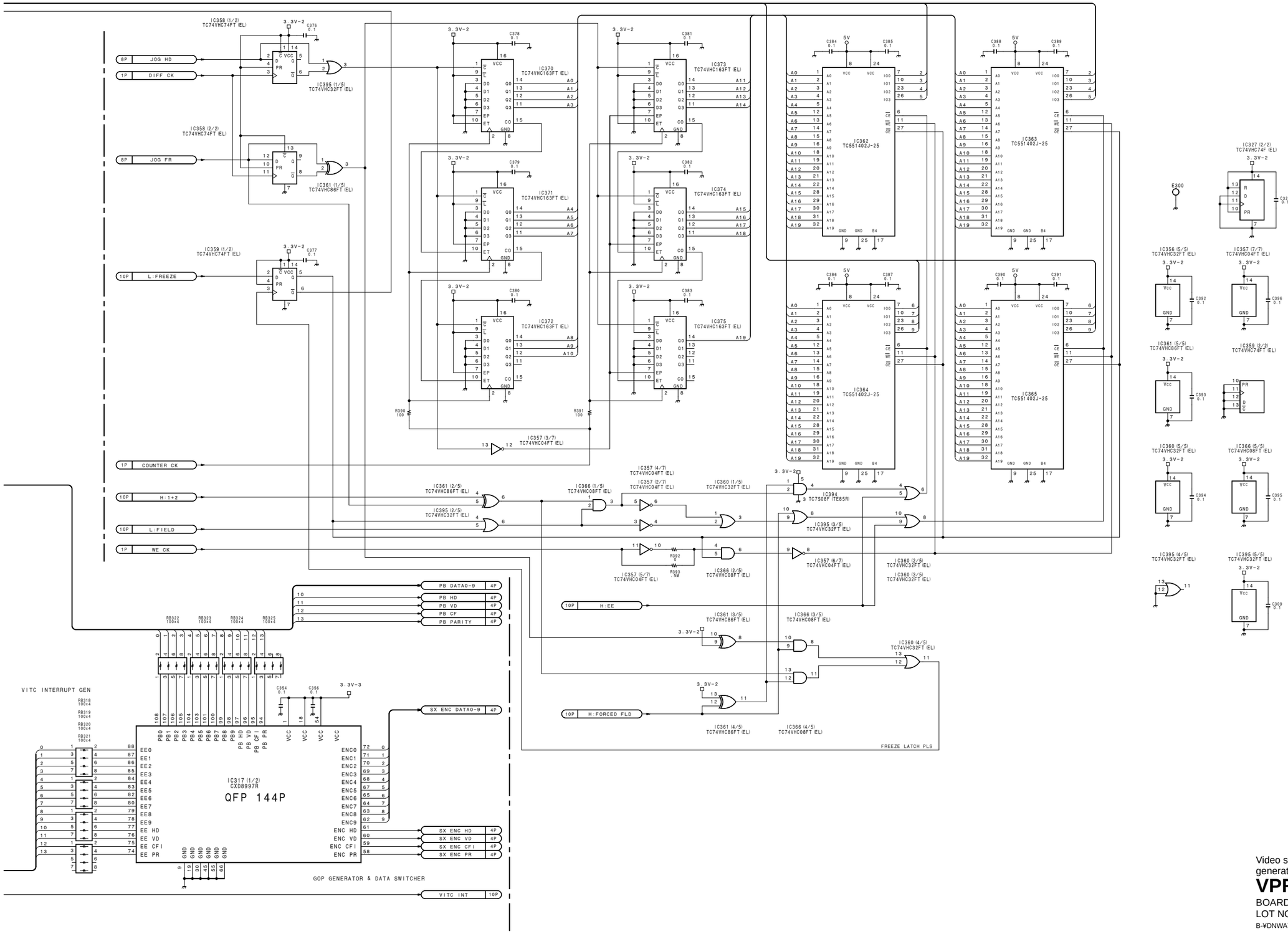


Video signal processor (D-A, Reference clock generator, Composite encoder)

VPR-47 (2/10)

BOARD NO. 1-670-581-11
LOT NO. 804-
B-¥DNWA75-VPR47-11/M

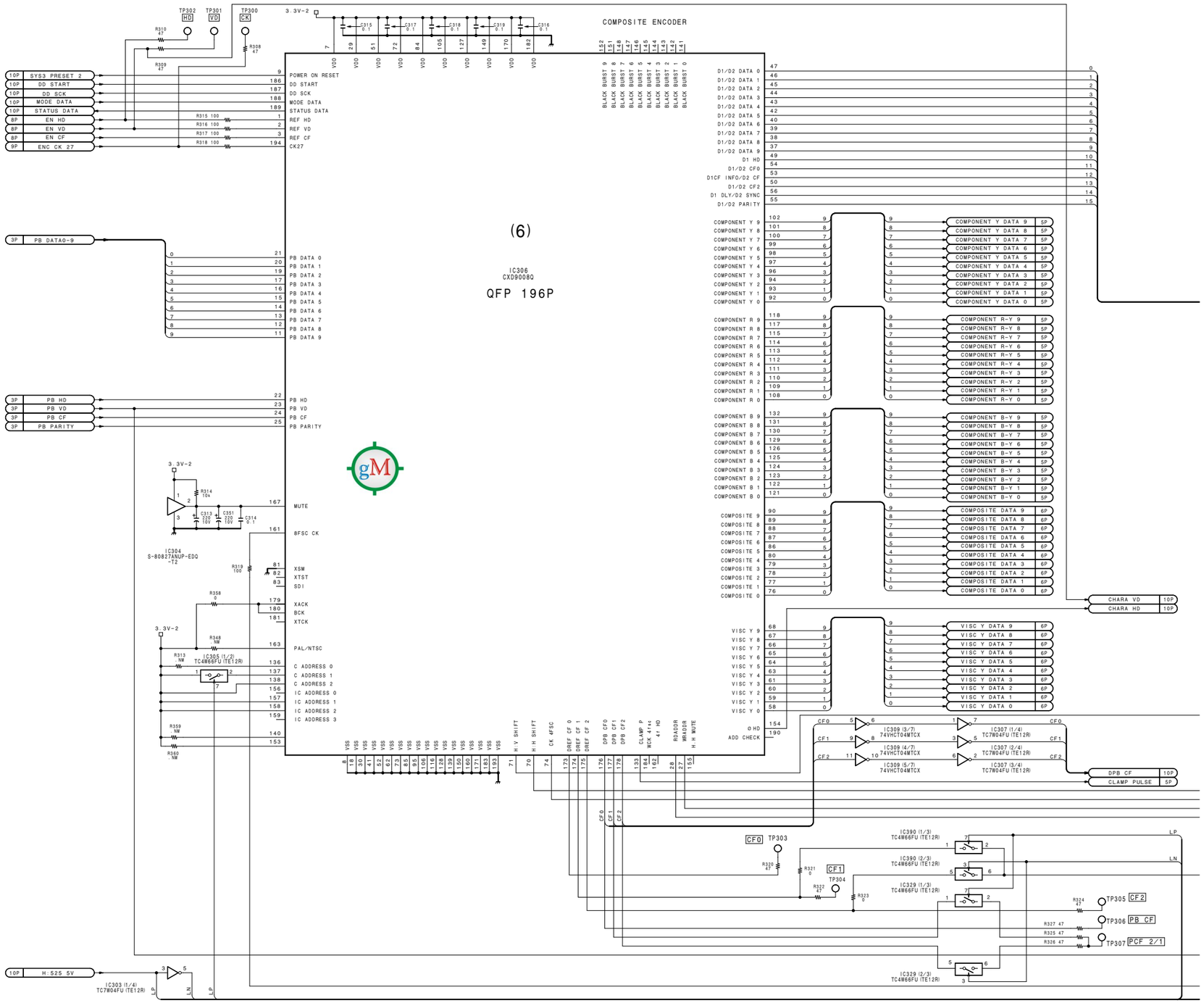

10P SYS3 PRESET 2
10P DD START
10P DD SCK
10P MODE DATA
10P STATUS DATA
9P VP CK 27
8P VPR HD
8P VPR VD
8P VPR CF
1P VP 0
1P VP 1
1P VP 2
1P VP 3
1P VP 4
1P VP 5
1P VP 6
1P VP 7
1P VP HD
1P VP VD
1P VP CF
1P VP PR
1P VP LATCH CK
IC350 TC74VHC245FT (EL)
IC351 TC74VHC245FT (EL)
IC352 TC74VHC245FT (EL)
IC353 TC74VHC245FT (EL)
IC391 TC74VHC574F (EL)
IC392 TC74VHC574F (EL)
IC393 TC74VHC574F (EL)
IC318 TC74VHC574F (EL)
IC321 TC74VHC574F (EL)
IC324 TC74VHC574F (EL)
IC325 TC74VHC574F (EL)
LATCH
113-47 B-CAM DATA0
113-48 B-CAM DATA1
113-49 B-CAM DATA2
113-50 B-CAM DATA3
113-51 B-CAM DATA4
113-52 B-CAM DATA5
113-53 B-CAM DATA6
113-54 B-CAM DATA7
113-55 B-CAM DATA8
113-56 B-CAM DATA9
113-57 B-CAM HD
113-58 B-CAM VD
113-59 B-CAM CFI
113-60 B-CAM PR
8P B-CAM PB VD
10P H:B-CAM PB
H:LATCH FREEZE
9P B-CAM LATCH CK
114-46 EE DATA 0
114-47 EE DATA 1
114-48 EE DATA 2
114-50 EE DATA 3
114-51 EE DATA 4
114-52 EE DATA 5
114-54 EE DATA 6
114-55 EE DATA 7
114-56 EE DATA 8
114-58 EE DATA 9
114-59 EE HD
114-60 EE VD
114-62 EE CFI
114-63 EE PR
1P CC VIDEO EN
9P EE LATCH CK 27
1P CC VIDEO 0-7
114-94 VP INT
IC357 (1/7) TC74VHC04FT (EL)
IC356 (1/5) TC74VHC32FT (EL)
IC356 (4/5) TC74VHC32FT (EL)
IC356 (2/5) TC74VHC32FT (EL)
IC356 (3/5) TC74VHC32FT (EL)
IC397 TC7S04FU (TE85R)
IC300 CX88810BQ
(QFP 120P)
(VIDEO PROCESS)
ACLR
START
SCKIN
SDATA
SOUT
REFHD
REFVD
REFCF
CK27
HD1
VD1
CF1
PRT1
HD2
VD2
CRF2
PRT2
HD3
VD3
CF3
PRT3
HDOUT
VDOUT
CFO
PRTO
ADR0
ADR1
ADR2
ADR3
BLK
SETUP
DCLIP
ESR
HUE
YGAIN
CGAIN
ADD
OEN
TS1
TS2
TS3
TS4
TLCH
YCS
SELET
ROMTS
DLMODE
IC316 TC7S04FU
IC327 (1/2) TC74VHC74F (EL)
R356 0
3.3V-2

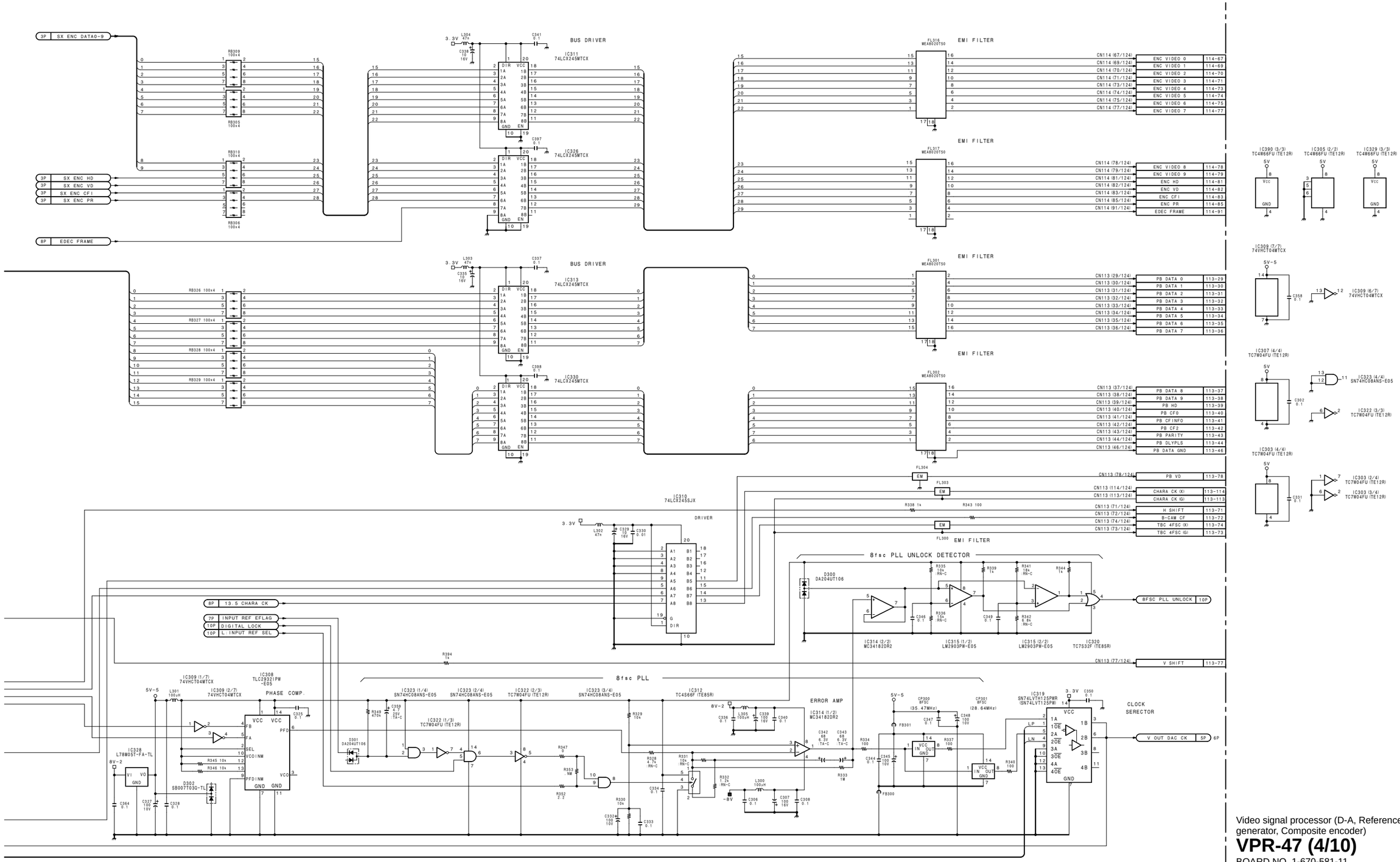


Video signal processor (D-A, Reference clock generator, Composite encoder)

VPR-47 (3/10)

BOARD NO. 1-670-581-11
LOT NO. 804-
B-¥DNWA75-VPR47-11/M


COMPOSITE ENCODER
IC306
CXD9008Q
QFP 196P
(6)
TP302 HD
TP301 VD
TP300 CK
3.3V-2
IC304
S-80827ANUP-EDQ -T2
IC305 (1/2) TC4W66FU (TE12R)
IC303 (1/4) TC7W04FU (TE12R)
IC307 (1/4) TC7W04FU (TE12R)
IC309 (3/7) 74VHCT04MTCX
IC309 (4/7) 74VHCT04MTCX
IC309 (5/7) 74VHCT04MTCX
IC307 (2/4) TC7W04FU (TE12R)
IC307 (3/4) TC7W04FU (TE12R)
IC390 (1/3) TC4W66FU (TE12R)
IC390 (2/3) TC4W66FU (TE12R)
IC329 (1/3) TC4W66FU (TE12R)
IC329 (2/3) TC4W66FU (TE12R)
SYS3 PRESET 2
DD START
DD SCK
MODE DATA
STATUS DATA
EN HD
EN VD
EN CF
ENC CK 27
PB DATA0-9
PB HD
PB VD
PB CF
PB PARITY
H:525 5V
POWER ON RESET
DD START
DD SCK
MODE DATA
STATUS DATA
REF HD
REF VD
REF CF
CK27
PB DATA 0
PB DATA 1
PB DATA 2
PB DATA 3
PB DATA 4
PB DATA 5
PB DATA 6
PB DATA 7
PB DATA 8
PB DATA 9
PB HD
PB VD
PB CF
PB PARITY
MUTE
BFSC CK
XSM
XTST
SDI
XACK
BCK
XTCK
PAL/NTSC
C ADDRESS 0
C ADDRESS 1
C ADDRESS 2
IC ADDRESS 0
IC ADDRESS 1
IC ADDRESS 2
IC ADDRESS 3
D1/D2 DATA 0
D1/D2 DATA 1
D1/D2 DATA 2
D1/D2 DATA 3
D1/D2 DATA 4
D1/D2 DATA 5
D1/D2 DATA 6
D1/D2 DATA 7
D1/D2 DATA 8
D1/D2 DATA 9
D1 HD
D1/D2 CF0
D1CF INFO/D2 CF
D1/D2 CF2
D1 DLY/D2 SYNC
D1/D2 PARITY
COMPONENT Y 9
COMPONENT Y 8
COMPONENT Y 7
COMPONENT Y 6
COMPONENT Y 5
COMPONENT Y 4
COMPONENT Y 3
COMPONENT Y 2
COMPONENT Y 1
COMPONENT Y 0
COMPONENT R 9
COMPONENT R 8
COMPONENT R 7
COMPONENT R 6
COMPONENT R 5
COMPONENT R 4
COMPONENT R 3
COMPONENT R 2
COMPONENT R 1
COMPONENT R 0
COMPONENT B 9
COMPONENT B 8
COMPONENT B 7
COMPONENT B 6
COMPONENT B 5
COMPONENT B 4
COMPONENT B 3
COMPONENT B 2
COMPONENT B 1
COMPONENT B 0
COMPOSITE 9
COMPOSITE 8
COMPOSITE 7
COMPOSITE 6
COMPOSITE 5
COMPOSITE 4
COMPOSITE 3
COMPOSITE 2
COMPOSITE 1
COMPOSITE 0
VISC Y 9
VISC Y 8
VISC Y 7
VISC Y 6
VISC Y 5
VISC Y 4
VISC Y 3
VISC Y 2
VISC Y 1
VISC Y 0
O HD
ADD CHECK
COMPONENT Y DATA 9
COMPONENT Y DATA 8
COMPONENT Y DATA 7
COMPONENT Y DATA 6
COMPONENT Y DATA 5
COMPONENT Y DATA 4
COMPONENT Y DATA 3
COMPONENT Y DATA 2
COMPONENT Y DATA 1
COMPONENT Y DATA 0
COMPONENT R-Y 9
COMPONENT R-Y 8
COMPONENT R-Y 7
COMPONENT R-Y 6
COMPONENT R-Y 5
COMPONENT R-Y 4
COMPONENT R-Y 3
COMPONENT R-Y 2
COMPONENT R-Y 1
COMPONENT R-Y 0
COMPONENT B-Y 9
COMPONENT B-Y 8
COMPONENT B-Y 7
COMPONENT B-Y 6
COMPONENT B-Y 5
COMPONENT B-Y 4
COMPONENT B-Y 3
COMPONENT B-Y 2
COMPONENT B-Y 1
COMPONENT B-Y 0
COMPOSITE DATA 9
COMPOSITE DATA 8
COMPOSITE DATA 7
COMPOSITE DATA 6
COMPOSITE DATA 5
COMPOSITE DATA 4
COMPOSITE DATA 3
COMPOSITE DATA 2
COMPOSITE DATA 1
COMPOSITE DATA 0
VISC Y DATA 9
VISC Y DATA 8
VISC Y DATA 7
VISC Y DATA 6
VISC Y DATA 5
VISC Y DATA 4
VISC Y DATA 3
VISC Y DATA 2
VISC Y DATA 1
VISC Y DATA 0
CHARA VD
CHARA HD
DPB CF
CLAMP PULSE
CF0
CF1
CF2
TP303
TP304
TP305 CF2
TP306 PB CF
TP307 PCF 2/1
LP
LN

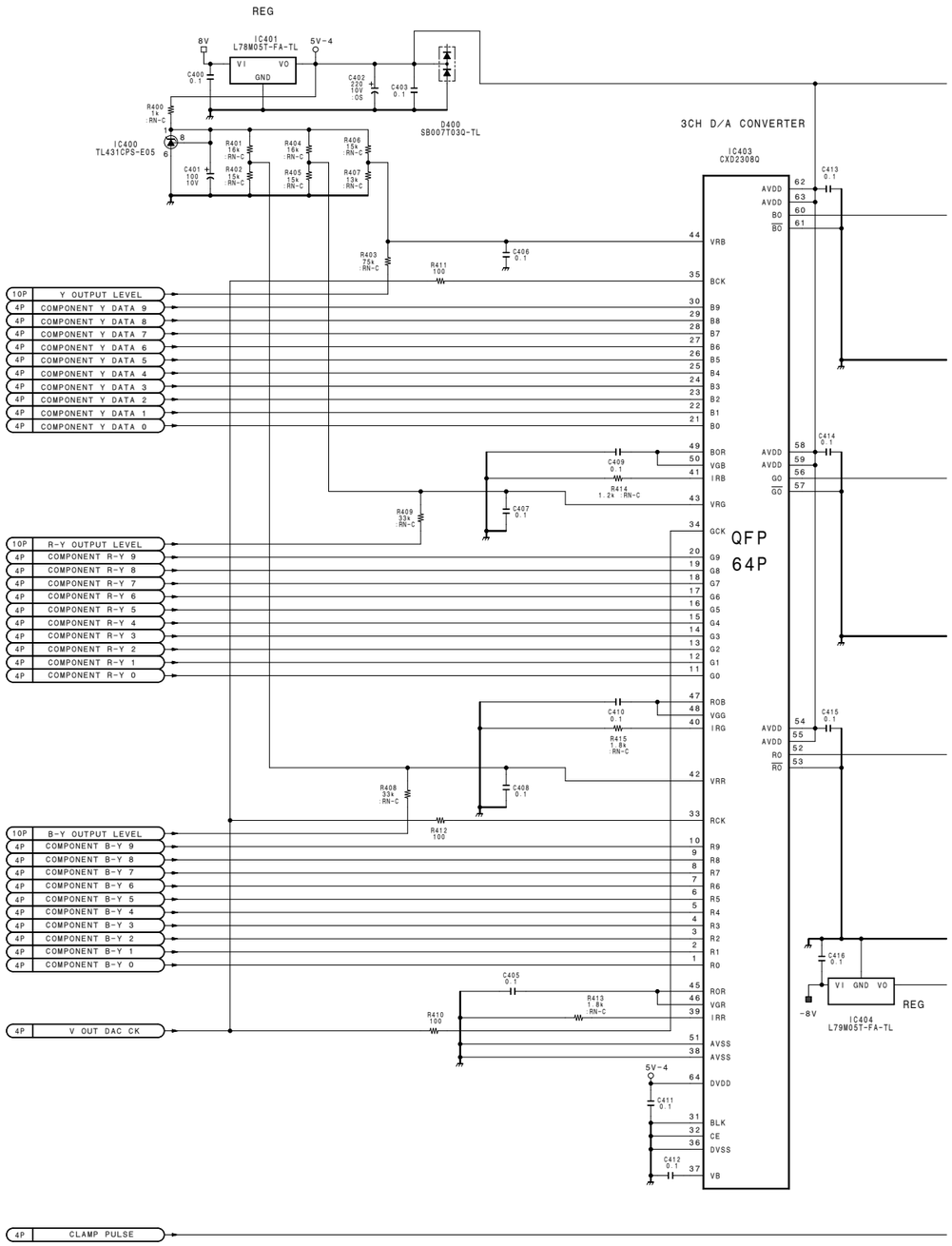


Video signal processor (D-A, Reference clock generator, Composite encoder)

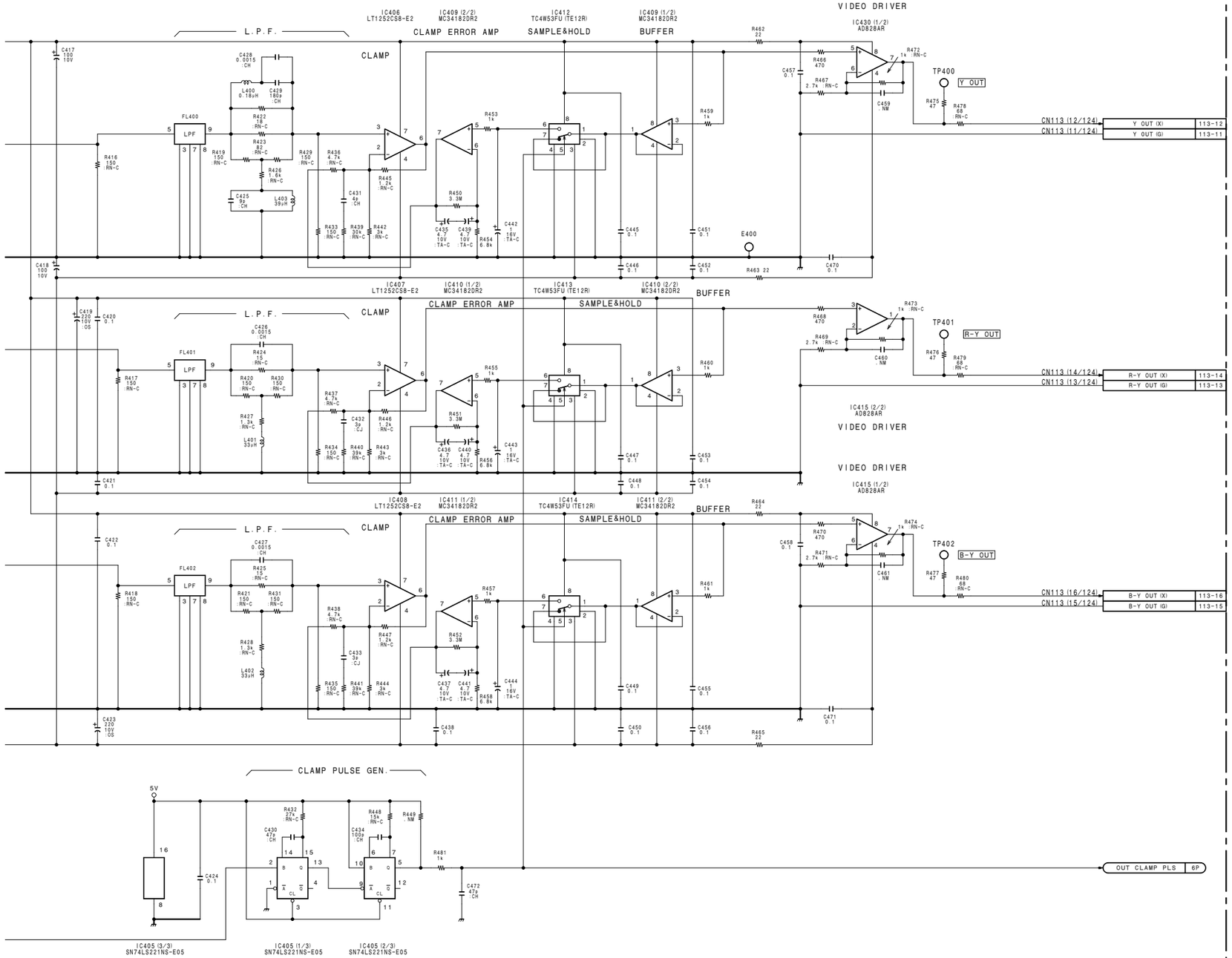
VPR-47 (4/10)

BOARD NO. 1-670-581-11
LOT NO. 804-
B-¥DNWA75-VPR47-11/M

VPR-47 (5/10) DNW-75/65



3-182

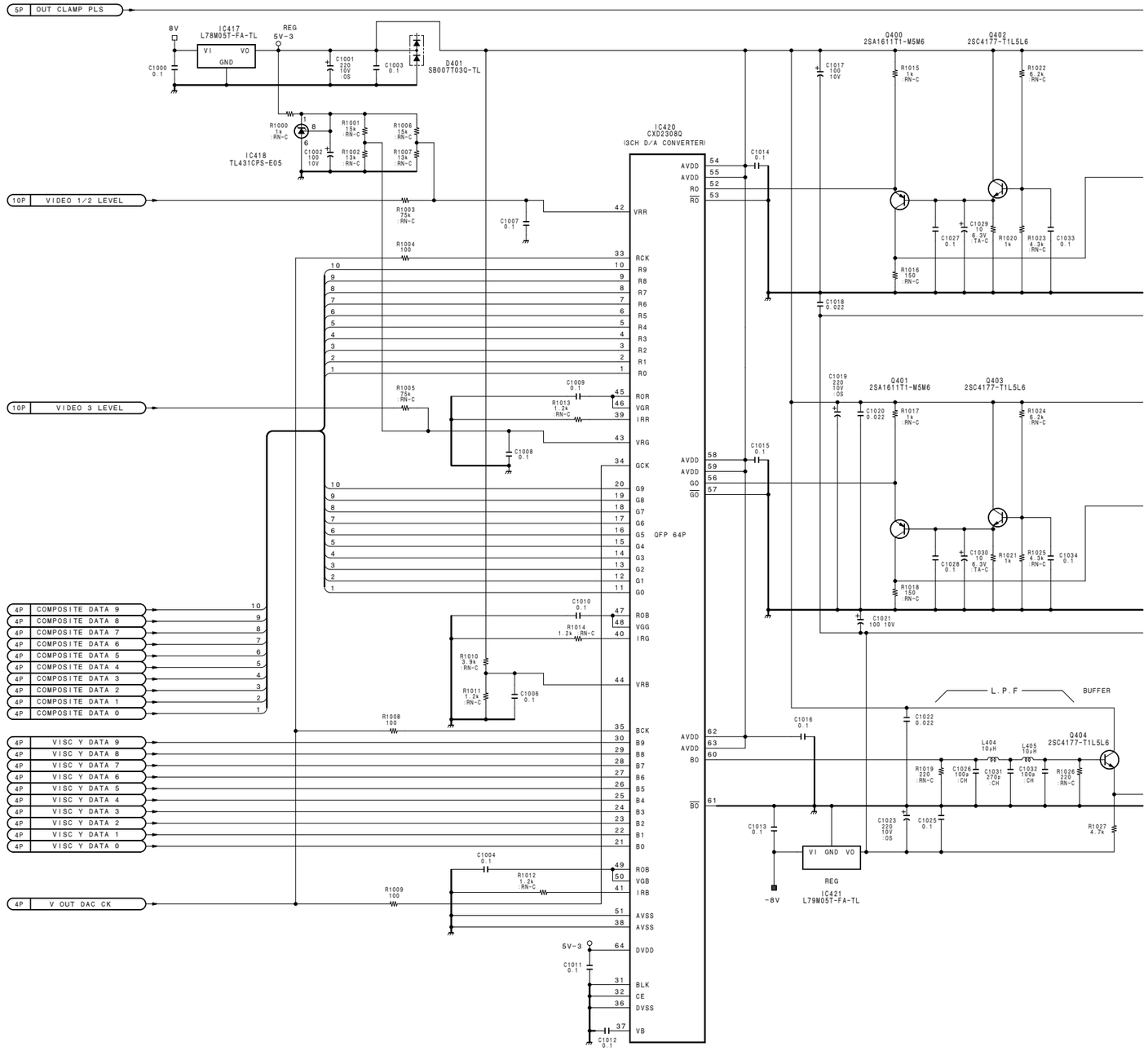


Reference	NT	PAL	
C426. C427. C428 C1037. C1039	1500P	2200P	: CH
C429. C1038. C1040	180P	1300P	: CH
C425. C1035. C1036	9P	6P	: CH
R424. R425	15 (:RN-C)	10 (:RN-C)	
R427. R428	1.3K (:RN-C)	2K (:RN-C)	
R422. R1030. R1032	18 (:RN-C)	10 (:RN-C)	
R423. R1031. R1033	82 (:RN-C)	27 (:RN-C)	
R426. R1034. R1035	1.6K (:RN-C)	2.7K (:RN-C)	
L401. L402	33UH	47UH	
L400. L406. L407	0.18UH	0.12UH	
L403. L408. L409	39UH	68UH	

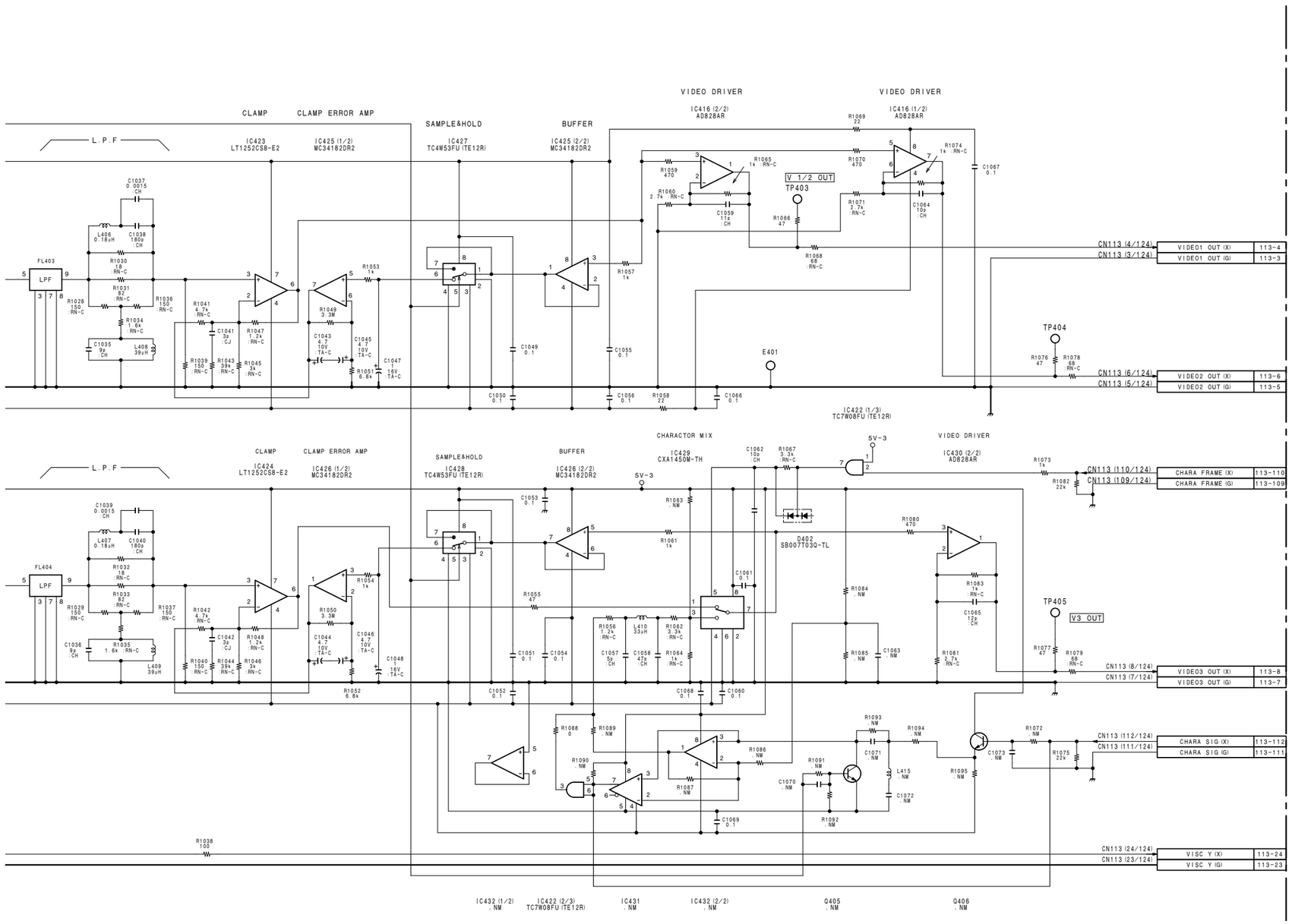
Video signal processor (D-A, Reference clock generator, Composite encoder)

VPR-47 (5/10)

BOARD NO. 1-670-581-11
LOT NO. 804-
B-¥DNWA75-VPR47-11/M


5P OUT CLAMP PLS
8V
IC417
L78M05T-FA-TL
VI VO
GND
REG
5V-3
C1000 0.1
C1001 220 10V :OS
C1003 0.1
D401
SB007T03Q-TL
R1000 1k :RN-C
R1001 15k :RN-C
R1006 15k :RN-C
C1002 100 10V
R1002 13k :RN-C
R1007 13k :RN-C
IC418
TL431CPS-E05
IC420
CXD2308Q
(3CH D/A CONVERTER)
10P VIDEO 1/2 LEVEL
R1003 75k :RN-C
C1007 0.1
R1004 100
10P VIDEO 3 LEVEL
R1005 75k :RN-C
C1009 0.1
R1013 1.2k :RN-C
C1008 0.1
4P COMPOSITE DATA 9
4P COMPOSITE DATA 8
4P COMPOSITE DATA 7
4P COMPOSITE DATA 6
4P COMPOSITE DATA 5
4P COMPOSITE DATA 4
4P COMPOSITE DATA 3
4P COMPOSITE DATA 2
4P COMPOSITE DATA 1
4P COMPOSITE DATA 0
C1010 0.1
R1014 1.2k :RN-C
R1010 3.9k :RN-C
R1011 1.2k :RN-C
C1006 0.1
R1008 100
4P VISC Y DATA 9
4P VISC Y DATA 8
4P VISC Y DATA 7
4P VISC Y DATA 6
4P VISC Y DATA 5
4P VISC Y DATA 4
4P VISC Y DATA 3
4P VISC Y DATA 2
4P VISC Y DATA 1
4P VISC Y DATA 0
C1004 0.1
R1012 1.2k :RN-C
R1009 100
4P V OUT DAC CK
5V-3
C1011 0.1
C1012 0.1
AVDD
RO
RO
VRR
RCK
R9
R8
R7
R6
R5
R4
R3
R2
R1
RO
ROR
VGR
IRR
VRG
GCK
G9
G8
G7
G6
G5
G4
G3
G2
G1
GO
ROB
VGG
IRG
VRB
BCK
B9
B8
B7
B6
B5
B4
B3
B2
B1
BO
ROB
VGB
IRB
AVSS
AVSS
DVDD
BLK
CE
DVSS
VB
QFP 64P
C1014 0.1
C1015 0.1
C1016 0.1
C1017 100 10V
C1018 0.022
C1019 220 10V :OS
C1020 0.022
C1021 100 10V
C1022 0.022
C1013 0.1
C1023 220 10V :OS
C1025 0.1
R1027 4.7k
VI GND VO
REG
IC421
L79M05T-FA-TL
-8V
Q400
2SA1611T1-M5M6
Q402
2SC4177-T1L5L6
R1015 1k :RN-C
R1022 6.2k :RN-C
C1027 0.1
C1029 10 6.3V :TA-C
R1020 1k
R1023 4.3k :RN-C
C1033 0.1
R1016 150 :RN-C
Q401
2SA1611T1-M5M6
Q403
2SC4177-T1L5L6
R1017 1k :RN-C
R1024 6.2k :RN-C
C1028 0.1
C1030 10 6.3V :TA-C
R1021 1k
R1025 4.3k :RN-C
C1034 0.1
R1018 150 :RN-C
L.P.F
BUFFER
Q404
2SC4177-T1L5L6
L404 10μH
L405 10μH
R1019 220 :RN-C
C1026 100p :CH
C1031 270p :CH
C1032 100p :CH
R1026 220 :RN-C

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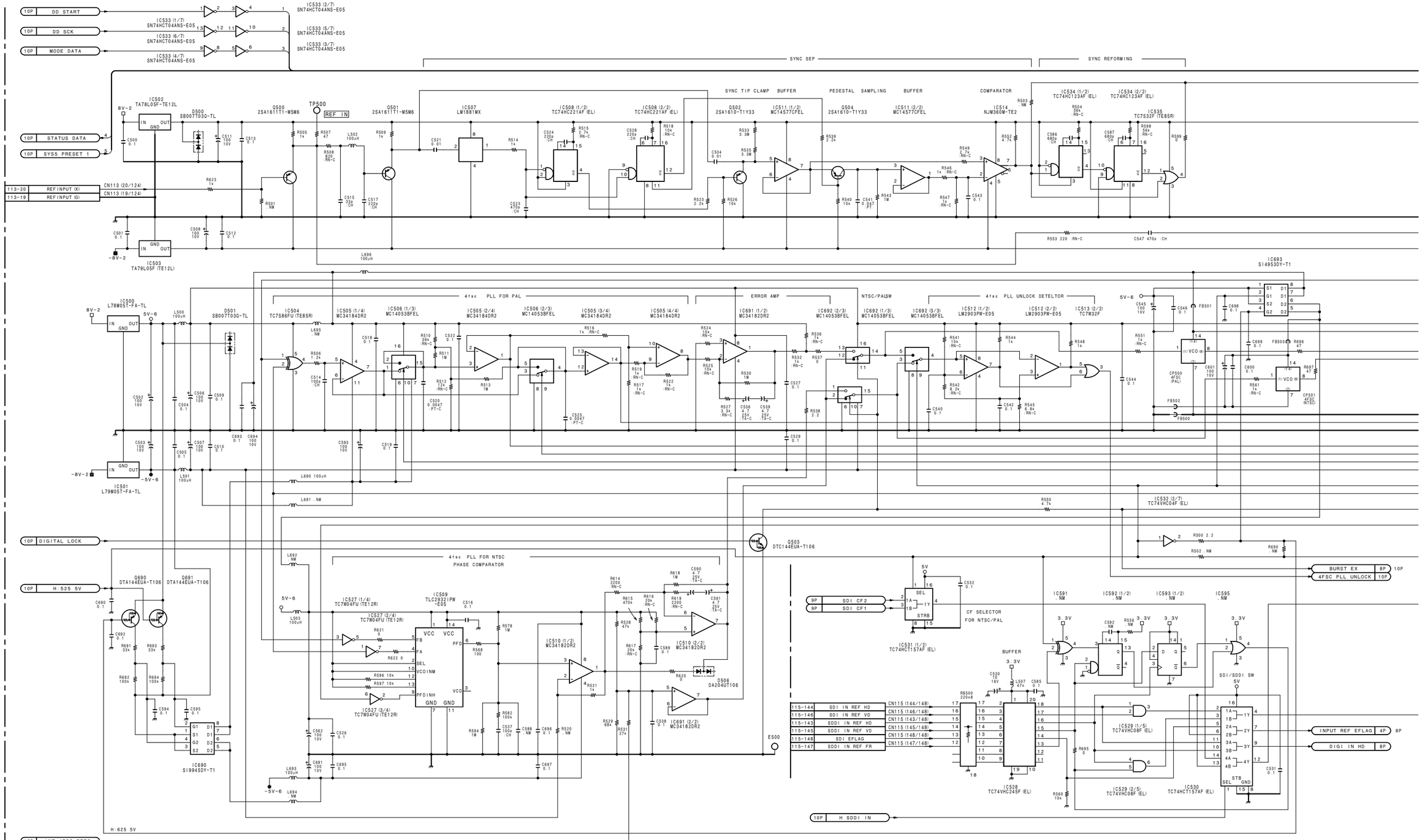


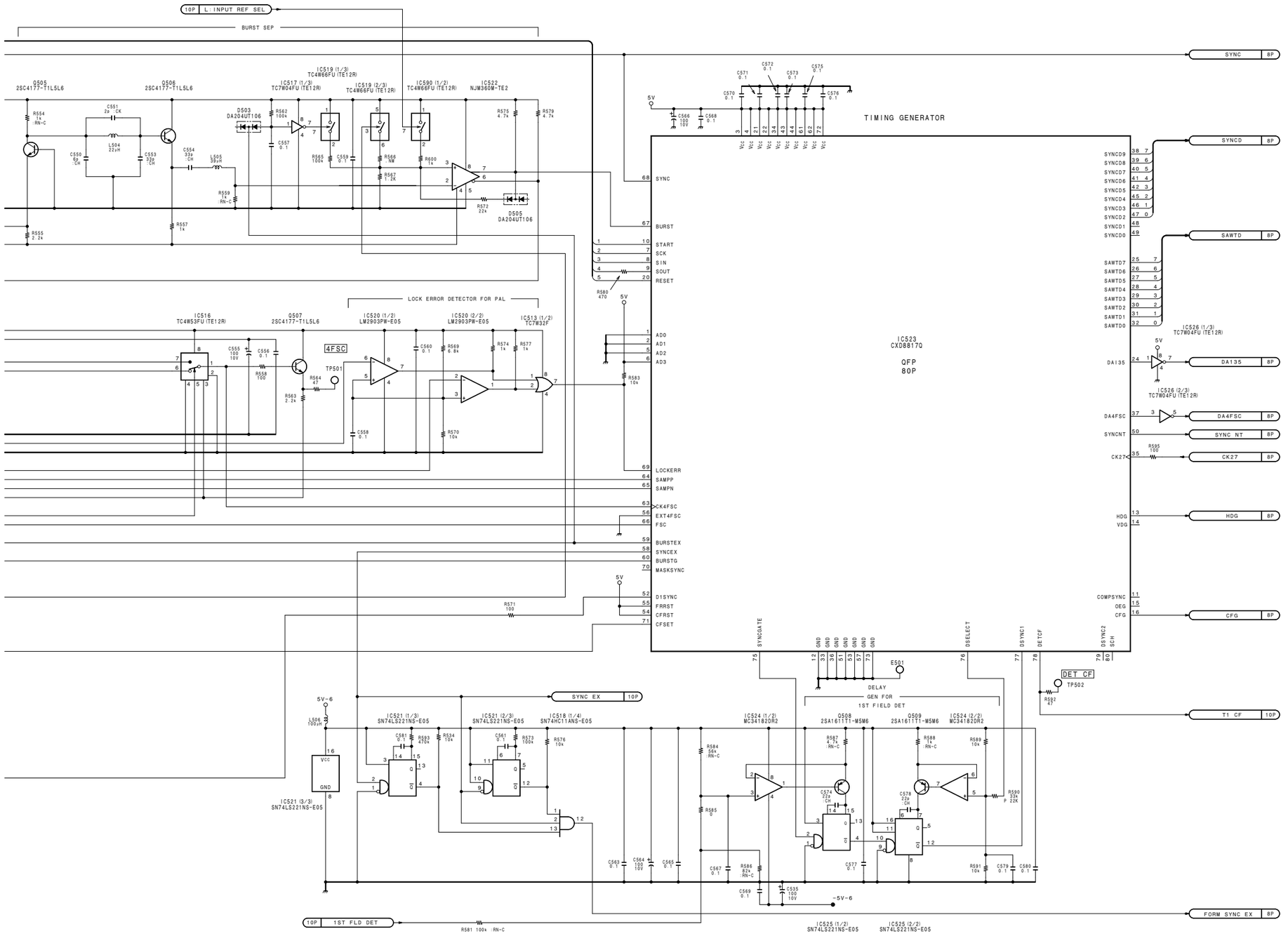
Reference	NT	PAL
C426, C427, C428 C1037, C1039	1500P	2200P : CH
C429, C1038, C1040	180P	1300P : CH
C425, C1035, C1036	9P	6P : CH
C1059	11P (:CH)	12P (:CH)
C1064	10P (:CH)	11P (:CH)
C1065	12P (:CH)	13P (:CH)
R424, R425	15 (:RN-C)	10 (:RN-C)
R427, R428	1.3K (:RN-C)	2K (:RN-C)
R422, R1030, R1032	18 (:RN-C)	10 (:RN-C)
R423, R1031, R1033	82 (:RN-C)	27 (:RN-C)
R426, R1034, R1035	1.6K (:RN-C)	2.7K (:RN-C)
L401, L402	33UH	47UH
L400, L406, L407	0.18UH	0.12UH
L403, L408, L409	39UH	68UH

Video signal processor (D-A, Reference clock generator, Composite encoder)

VPR-47 (6/10)

BOARD NO. 1-670-581-11
LOT NO. 804-
B-¥DNWA75-VPR47-11/M

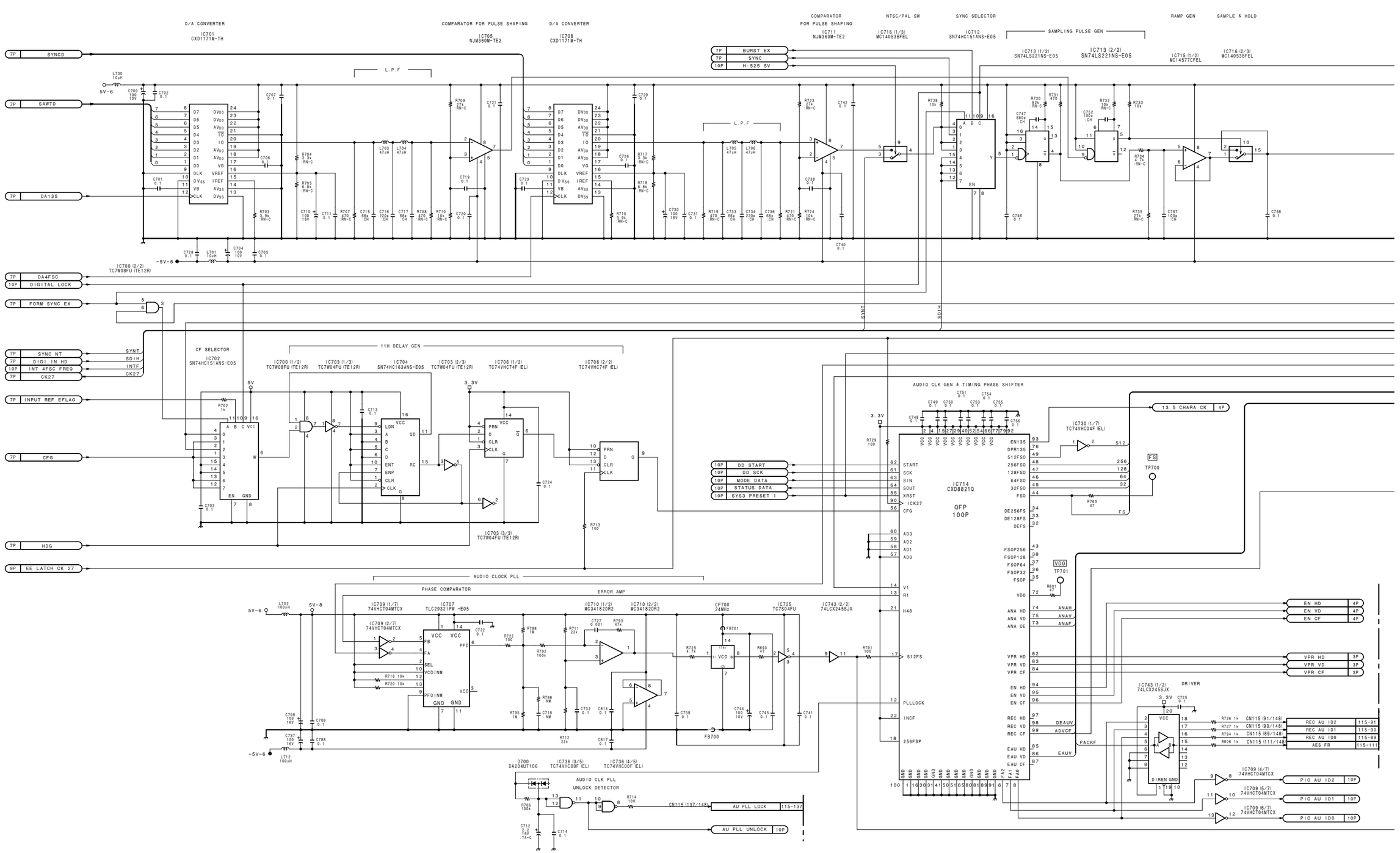

SYNC SEP
SYNC REFORMING
SYNC TIP CLAMP BUFFER
PEDESTAL SAMPLING BUFFER
COMPARATOR
4fsc PLL FOR PAL
ERROR AMP
NTSC/PALSW
4fsc PLL UNLOCK DETELTOR
4fsc PLL FOR NTSC PHASE COMPARATOR
CF SELECTOR FOR NTSC/PAL
BUFFER
SDI/SDDI SW
10P DD START
10P DD SCK
10P MODE DATA
10P STATUS DATA
10P SYS5 PRESET 1
113-20 REFINPUT (X)
113-19 REFINPUT (G)
10P DIGITAL LOCK
10P H:525 5V
10P INT 4FSC FREQ
10P H SDDI IN
BURST EX 8P 10P
4FSC PLL UNLOCK 10P
INPUT REF EFLAG 4P 8P
DIGI IN HD 8P
IC501 L79M05T-FA-TL
IC502 TA78L05F-TE12L
IC503 TA79L05F (TE12L)
IC500 L78M05T-FA-TL
IC690 S19945DY-T1
IC693 S14953DY-T1
Q500 2SA1611T1-M5M6
Q501 2SA1611T1-M5M6
Q502 2SA1610-T1Y33
Q504 2SA1610-T1Y33
Q503 DTC144EUA-T106
Q690 DTA144EUA-T106
Q691 DTA144EUA-T106
D500 SB007703Q-TL
D501 SB007703Q-TL
D506 DA204UT106
TP500 REF IN
E500
IC507 LM1881MX
IC508 (1/2) TC74HC221AF (EL)
IC508 (2/2) TC74HC221AF (EL)
IC511 (1/2) MC14577CFEL
IC511 (2/2) MC14577CFEL
IC514 NJM360M-TE2
IC534 (1/2) TC74HC123AF (EL)
IC534 (2/2) TC74HC123AF (EL)
IC535 TC7S32F (TE85R)
IC504 TC7S86FU (TE85R)
IC505 (1/4) MC34184DR2
IC506 (1/3) MC14053BFEL
IC505 (2/4) MC34184DR2
IC506 (2/3) MC14053BFEL
IC505 (3/4) MC34184DR2
IC505 (4/4) MC34184DR2
IC691 (1/2) MC34182DR2
IC692 (2/3) MC14053BFEL
IC692 (1/3) MC14053BFEL
IC692 (3/3) MC14053BFEL
IC512 (1/2) LM2903PW-E05
IC512 (2/2) LM2903PW-E05
IC513 (2/2) TC7W32F
IC532 (2/7) TC74VHC04F (EL)
IC533 (1/7) SN74HCT04ANS-E05
IC533 (2/7) SN74HCT04ANS-E05
IC533 (3/7) SN74HCT04ANS-E05
IC533 (4/7) SN74HCT04ANS-E05
IC533 (5/7) SN74HCT04ANS-E05
IC533 (6/7) SN74HCT04ANS-E05
IC527 (1/4) TC7W04FU (TE12R)
IC527 (2/4) TC7W04FU (TE12R)
IC527 (3/4) TC7W04FU (TE12R)
IC509 TLC2932IPW -E05
IC510 (1/2) MC34182DR2
IC510 (2/2) MC34182DR2
IC691 (2/2) MC34182DR2
IC591 NM
IC592 (1/2) NM
IC593 (1/2) NM
IC595 NM
IC531 (1/2) TC74HCT157AF (EL)
IC529 (1/5) TC74VHC08F (EL)
IC529 (2/5) TC74VHC08F (EL)
IC530 TC74HCT157AF (EL)
IC528 TC74VHC245F (EL)
CP500 4FSC (PAL)
CP501 4FSC (NTSC)
FB501
FB502
FB503
FB500
CN113 (20/124)
CN113 (19/124)
SDI CF2
SDI CF1
SDI IN REF HD
SDI IN REF VD
SDDI IN REF HD
SDDI IN REF VD
SDI EFLAG
SDDI IN REF FR
H:625 5V

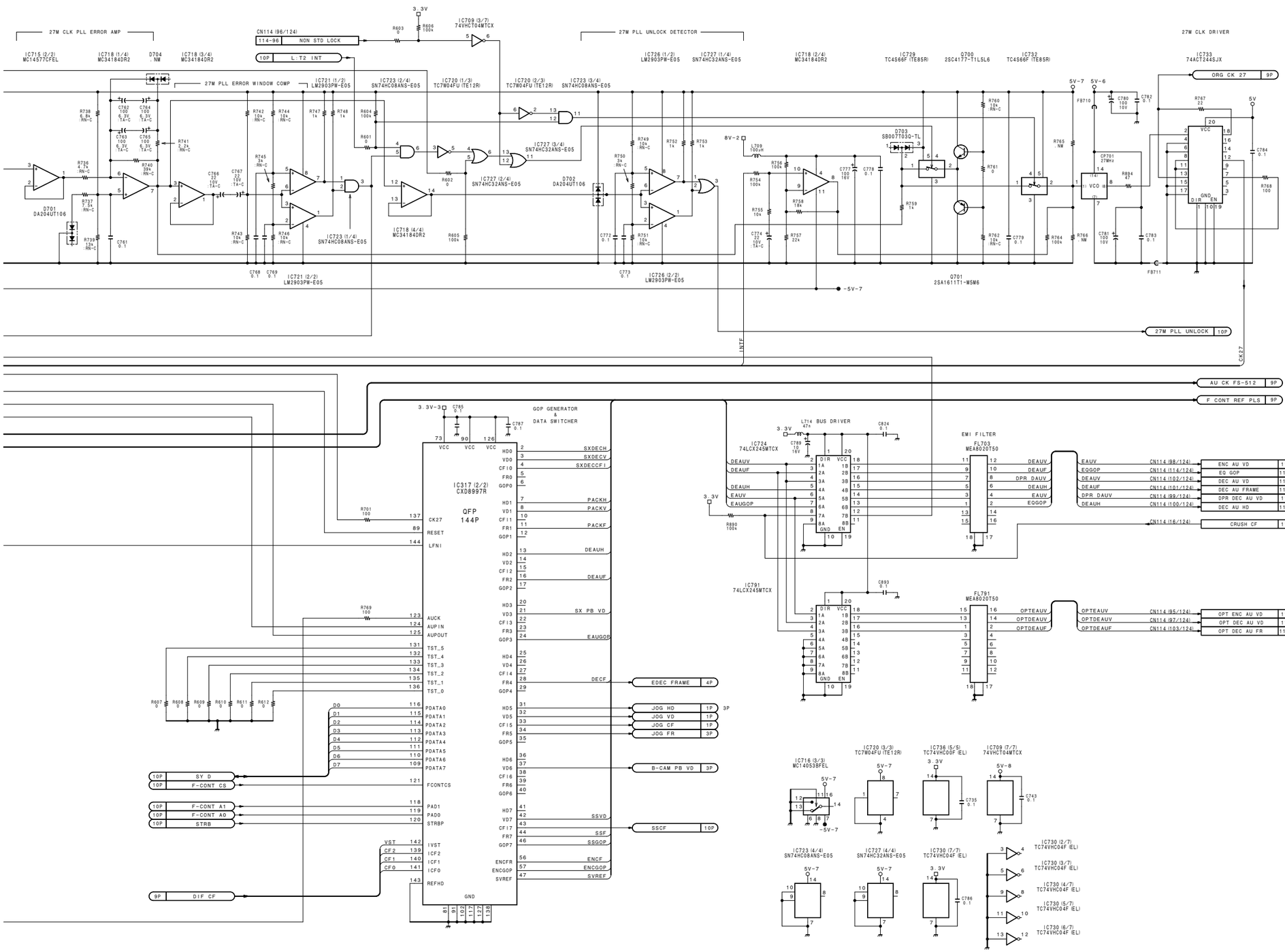


Video signal processor (D-A, Reference clock generator, Composite encoder)

VPR-47 (7/10)

BOARD NO. 1-670-581-11
LOT NO. 804-
B-¥DNWA75-VPR47-11/M

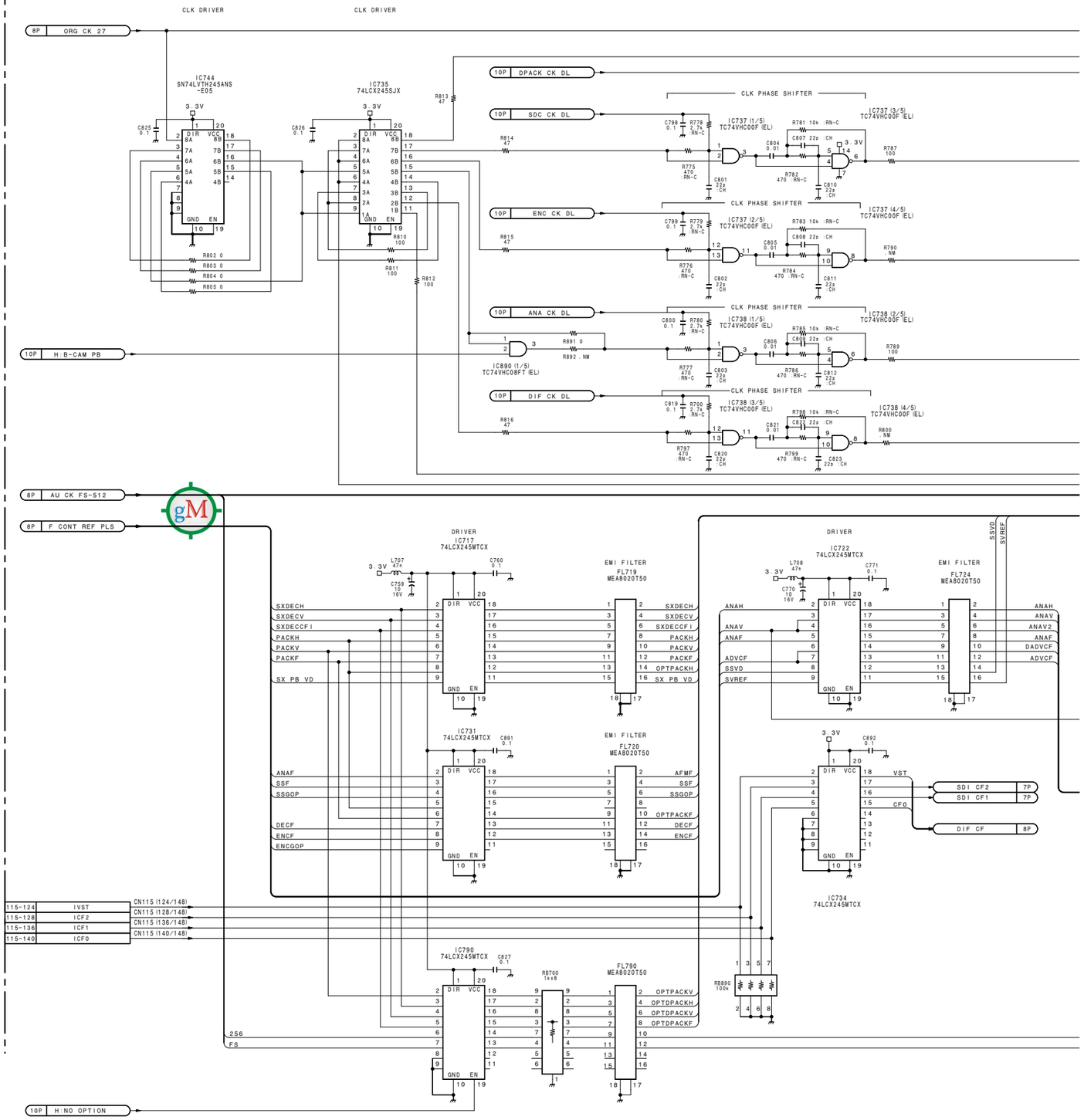

D/A CONVERTER
IC701 CXD1171M-TH
COMPARATOR FOR PULSE SHAPING
IC705 NJM360M-TE2
D/A CONVERTER
IC708 CXD1171M-TH
COMPARATOR FOR PULSE SHAPING
IC711 NJM360M-TE2
NTSC/PAL SW
IC716 (1/3) MC14053BFEL
SYNC SELECTOR
IC712 SN74HC151ANS-E05
SAMPLING PULSE GEN
IC713 (1/2) SN74LS221NS-E05
IC713 (2/2) SN74LS221NS-E05
RAMP GEN
IC715 (1/2) MC14577CFEL
SAMPLE & HOLD
IC716 (2/3) MC14053BFEL
L.P.F
L.P.F
7P SYNCD
7P SAWTD
7P DA135
7P DA4FSC
10P DIGITAL LOCK
7P FORM SYNC EX
7P BURST EX
7P SYNC
10P H:525 5V
IC700 (2/2) TC7W08FU (TE12R)
SYNT
SDIH
5V-6
-5V-6
5V-8
CF SELECTOR
IC702 SN74HC151ANS-E05
11H DELAY GEN
IC700 (1/2) TC7W08FU (TE12R)
IC703 (1/3) TC7W04FU (TE12R)
IC704 SN74HC163ANS-E05
IC703 (2/3) TC7W04FU (TE12R)
IC706 (1/2) TC74VHC74F (EL)
IC706 (2/2) TC74VHC74F (EL)
IC703 (3/3) TC7W04FU (TE12R)
7P SYNC NT
7P DIGI IN HD
10P INT 4FSC FREQ
7P CK27
7P INPUT REF EFLAG
7P CFG
7P HDG
9P EE LATCH CK 27
10P DD START
10P DD SCK
10P MODE DATA
10P STATUS DATA
10P SYS3 PRESET 1
AUDIO CLK GEN & TIMING PHASE SHIFTER
IC714 CX08821Q
QFP 100P
IC730 (1/7) TC74VHC04F (EL)
13.5 CHARA CK 4P
FS
TP700
VDD
TP701
EN HD 4P
EN VD 4P
EN CF 4P
VPR HD 3P
VPR VD 3P
VPR CF 3P
IC743 (1/2) 74LCX245SJX
DRIVER
REC AU ID2 115-91
REC AU ID1 115-90
REC AU ID0 115-89
AES FR 115-111
PIO AU ID2 10P
PIO AU ID1 10P
PIO AU ID0 10P
AUDIO CLOCK PLL
PHASE COMPARATOR
ERROR AMP
IC709 (1/7) 74VHCT04MTCX
IC707 TLC2932IPW -E05
IC710 (1/2) MC34182DR2
IC710 (2/2) MC34182DR2
CP700 24MHz
IC725 TC7S04FU
IC743 (2/2) 74LCX245SJX
FB701
FB700
VCO
AUDIO CLK PLL UNLOCK DETECTOR
D700 DA204UT106
IC736 (3/5) TC74VHC00F (EL)
IC736 (4/5) TC74VHC00F (EL)
CN115 (137/148)
AU PLL LOCK 115-137
AU PLL UNLOCK 10P

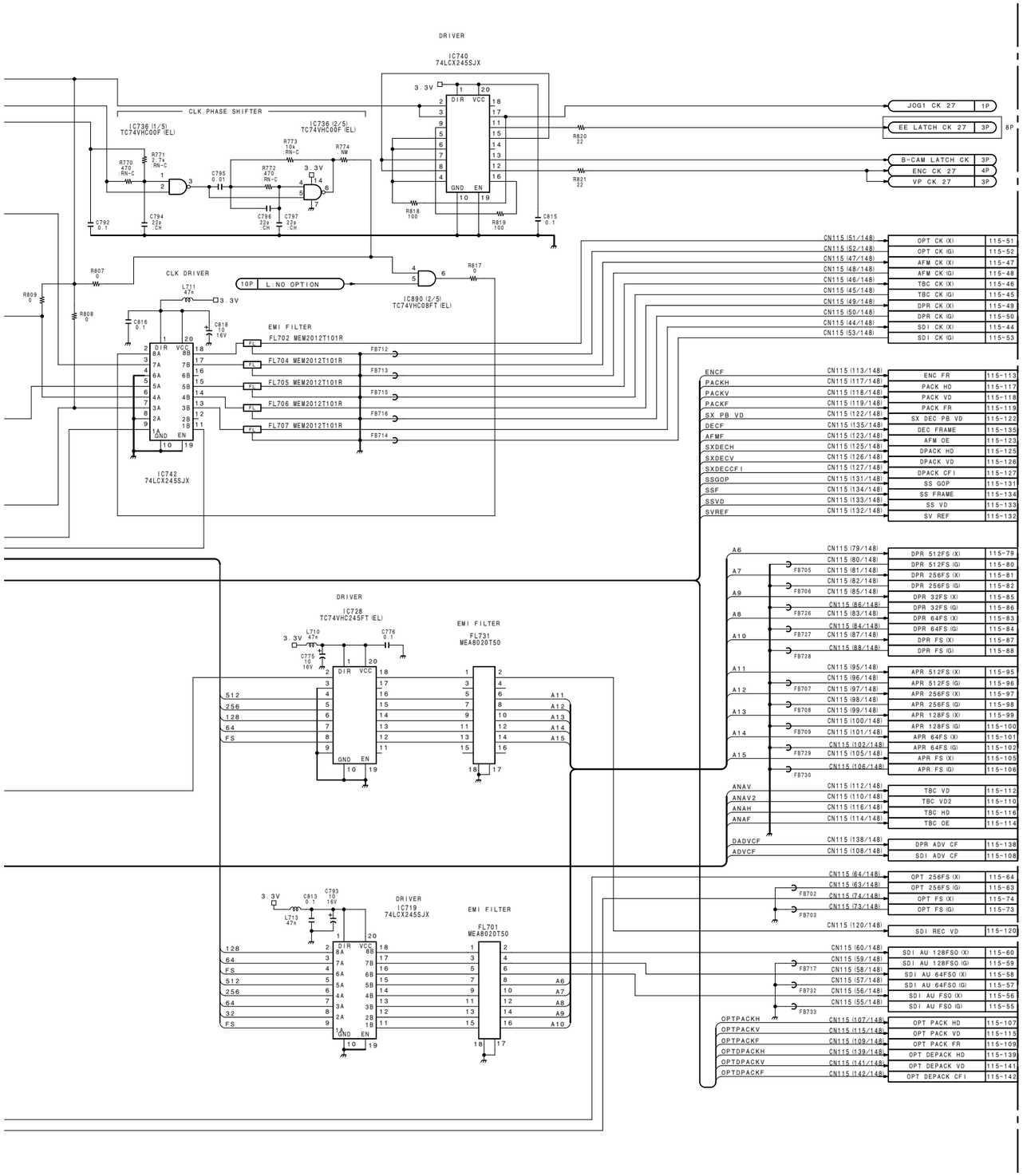


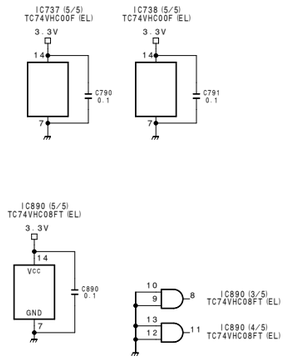
Video signal processor (D-A, Reference clock generator, Composite encoder)

VPR-47 (8/10)

BOARD NO. 1-670-581-11
LOT NO. 804-
B-¥DNWA75-VPR47-11/M


CLK DRIVER
CLK DRIVER
8P ORG CK 27
IC744
SN74LVTH245ANS
-E05
IC735
74LCX245SJX
3.3V
C825 0.1
C826 0.1
R813 47
10P DPACK CK DL
10P SDC CK DL
10P ENC CK DL
10P ANA CK DL
10P DIF CK DL
CLK PHASE SHIFTER
IC737 (1/5) TC74VHC00F (EL)
IC737 (2/5) TC74VHC00F (EL)
IC737 (3/5) TC74VHC00F (EL)
IC737 (4/5) TC74VHC00F (EL)
IC738 (1/5) TC74VHC00F (EL)
IC738 (2/5) TC74VHC00F (EL)
IC738 (3/5) TC74VHC00F (EL)
IC738 (4/5) TC74VHC00F (EL)
R814 47
R815 47
R816 47
R775 470 :RN-C
R776 470 :RN-C
R777 470 :RN-C
R778 2.7k :RN-C
R779 2.7k :RN-C
R780 2.7k :RN-C
R781 10k :RN-C
R782 470 :RN-C
R783 10k :RN-C
R784 470 :RN-C
R785 10k :RN-C
R786 470 :RN-C
R787 100
R789 100
R790 NW
R800 NW
10P H:B-CAM PB
IC890 (1/5) TC74VHC08FT (EL)
R891 0
R892 NW
8P AU CK FS-512
8P F CONT REF PLS
DRIVER
IC717
74LCX245MTCX
IC722
74LCX245MTCX
IC731
74LCX245MTCX
IC790
74LCX245MTCX
IC734
74LCX245MTCX
EMI FILTER
FL719 MEA8020T50
EMI FILTER
FL724 MEA8020T50
EMI FILTER
FL720 MEA8020T50
FL790 MEA8020T50
L707 47n
L708 47n
C759 10 16V
C760 0.1
C770 10 16V
C771 0.1
C891 0.1
C892 0.1
C827 0.1
SXDECH
SXDECV
SXDECCFI
PACKH
PACKV
PACKF
SX PB VD
ANAH
ANAV
ANAF
ADVCF
SSVD
SVREF
ANAF
SSF
SSGOP
DECF
ENCF
ENCGOP
AFMF
OPTPACKF
OPTPACKH
OPTPACKV
OPTDPACKH
OPTDPACKV
OPTDPACKF
VST
CF0
SDI CF2 7P
SDI CF1 7P
DIF CF 8P
CN115 (124/148) IVST 115-124
CN115 (128/148) ICF2 115-128
CN115 (136/148) ICF1 115-136
CN115 (140/148) ICF0 115-140
256 FS
RB700 1kx8
RB890 100k
10P H:NO OPTION



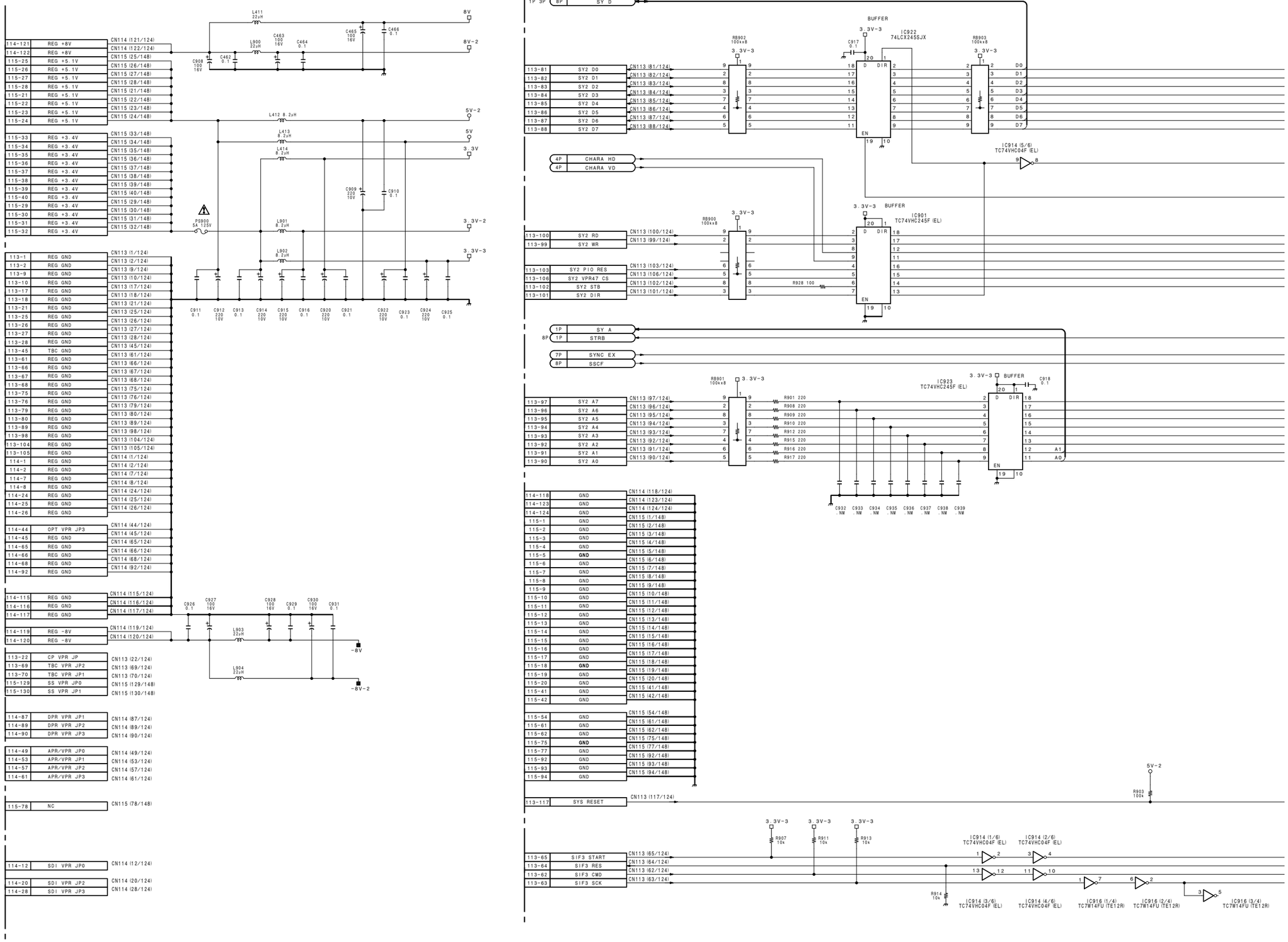


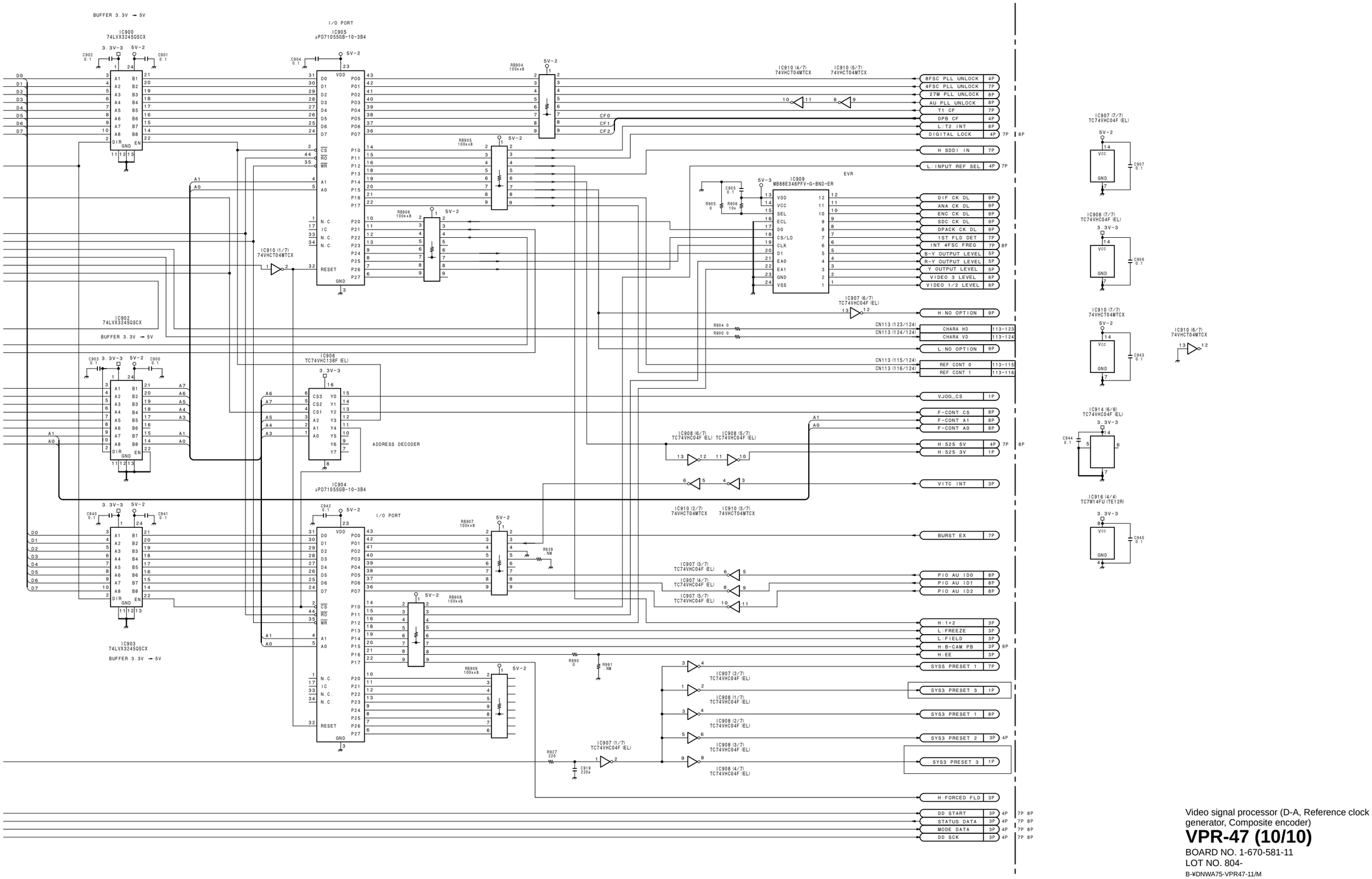
Video signal processor (D-A, Reference clock generator, Composite encoder)

VPR-47 (9/10)

BOARD NO. 1-670-581-11
LOT NO. 804-
B-¥DNWA75-VPR47-11/M

VPR-47 (10/10) DNW-75/65





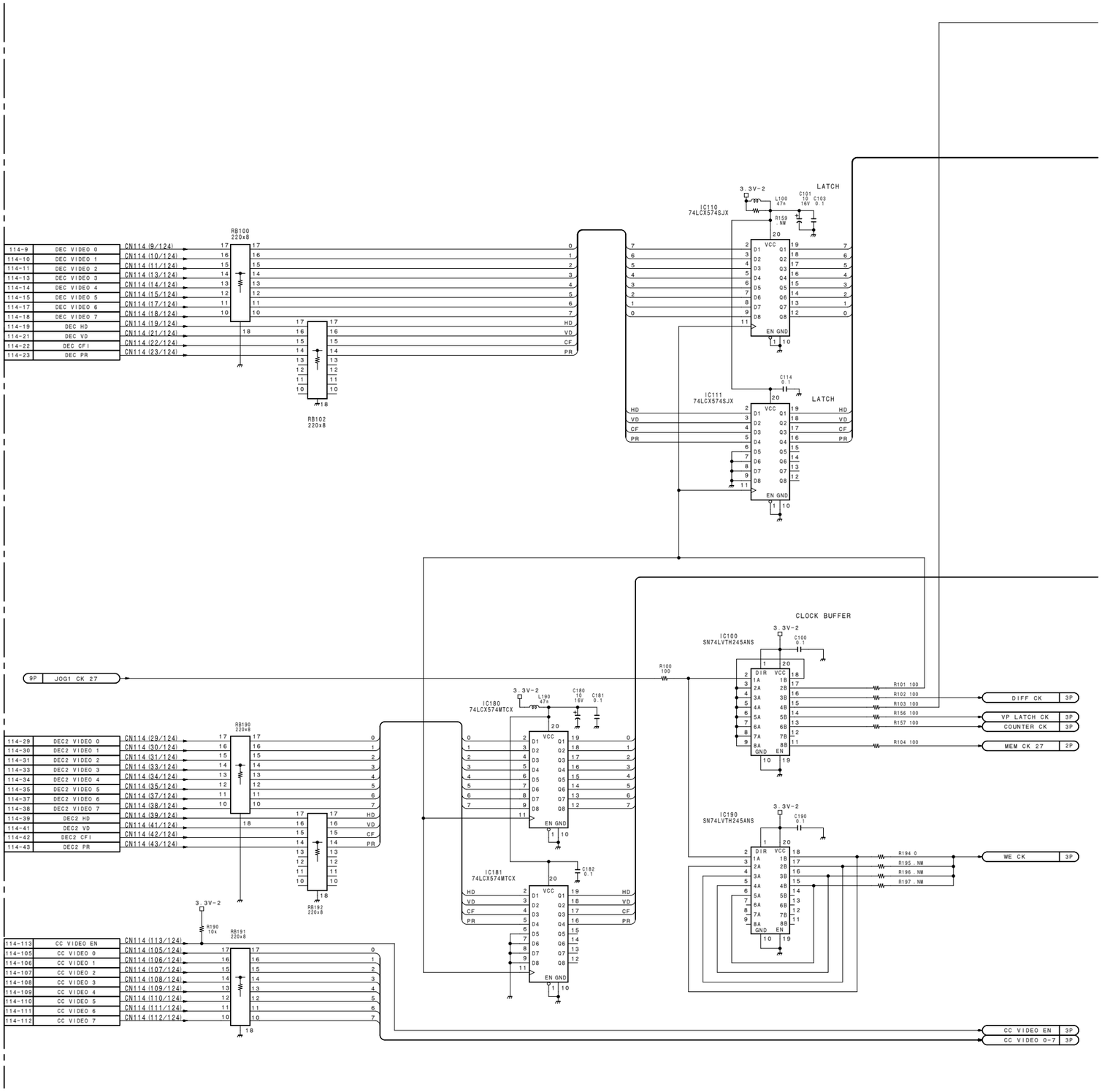
Video signal processor (D-A, Reference clock generator, Composite encoder)

VPR-47 (10/10)

BOARD NO. 1-670-581-11
LOT NO. 804-
B-¥DNWA75-VPR47-11/M

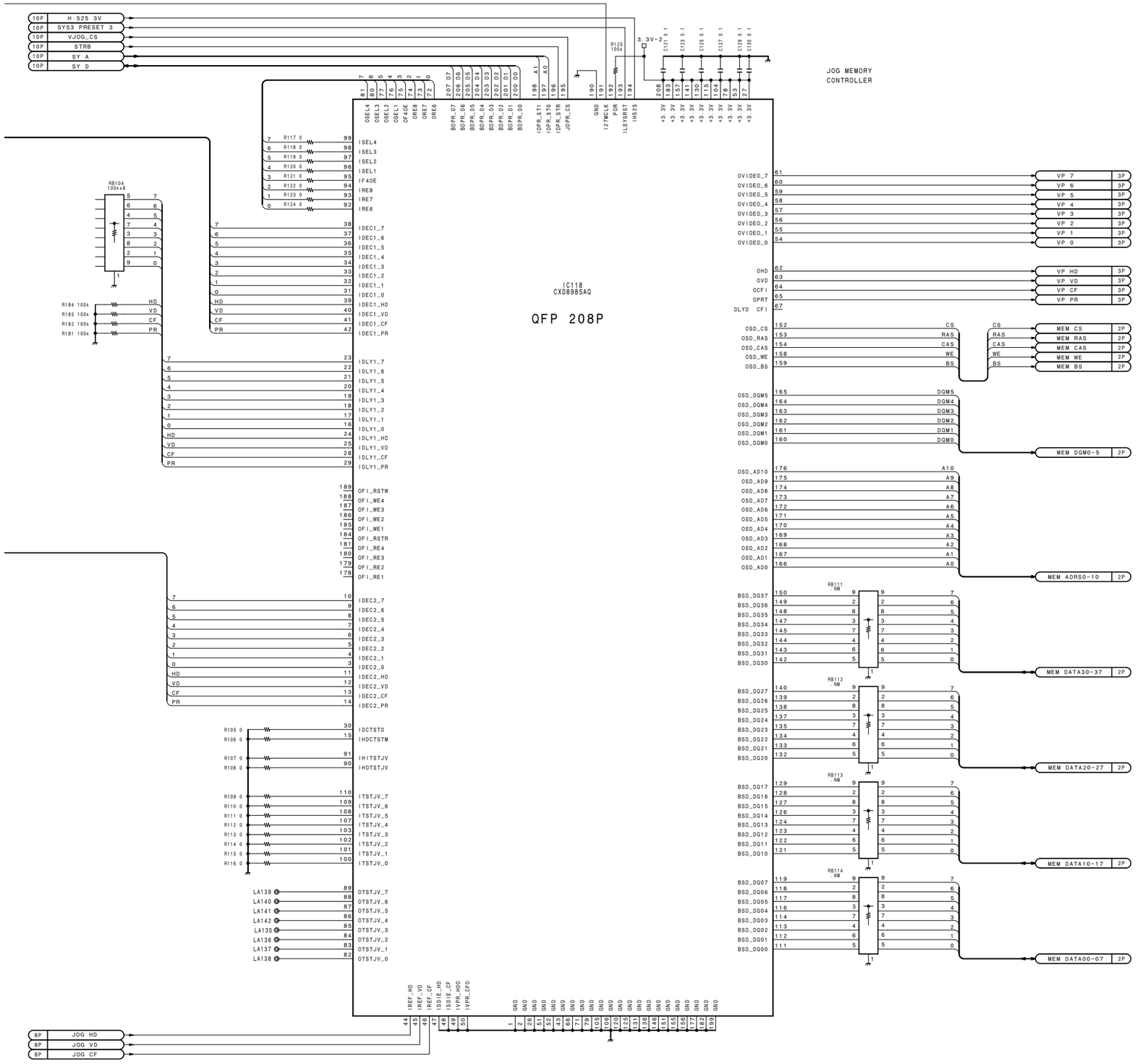
VPR-47 (1/10) DNW-75P/65P

コネクタの接続先についてはMB−818基板回路図（ 3-98 ページ）を参照。
Refer to the MB-818 board schematic diagrams (Page 3-98) in regard to destinations of connectors.



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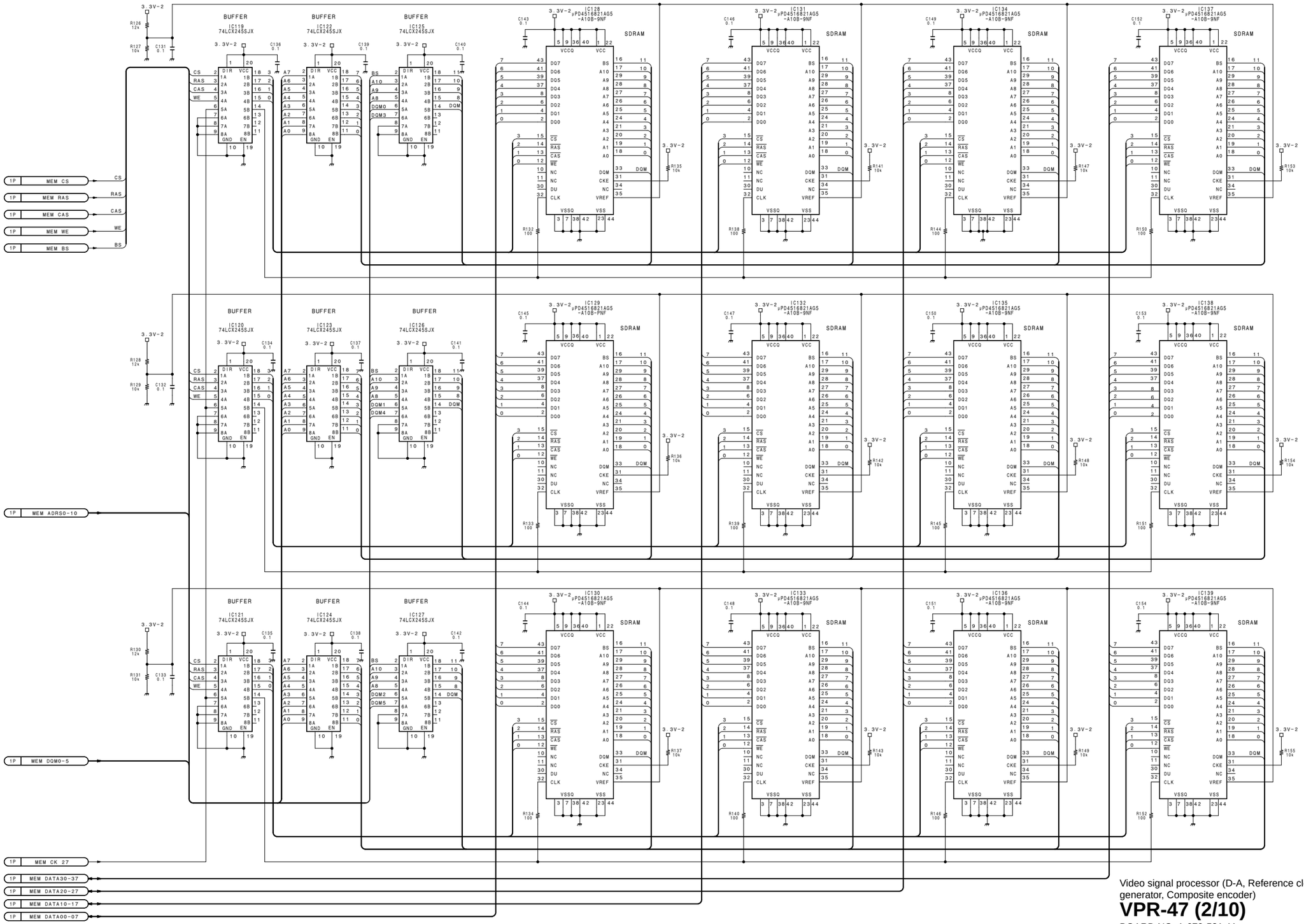
Video signal processor (D-A, Reference clock generator, Composite encoder)

VPR-47 (1/10)

BOARD NO. 1-670-581-11

LOT NO. 804-

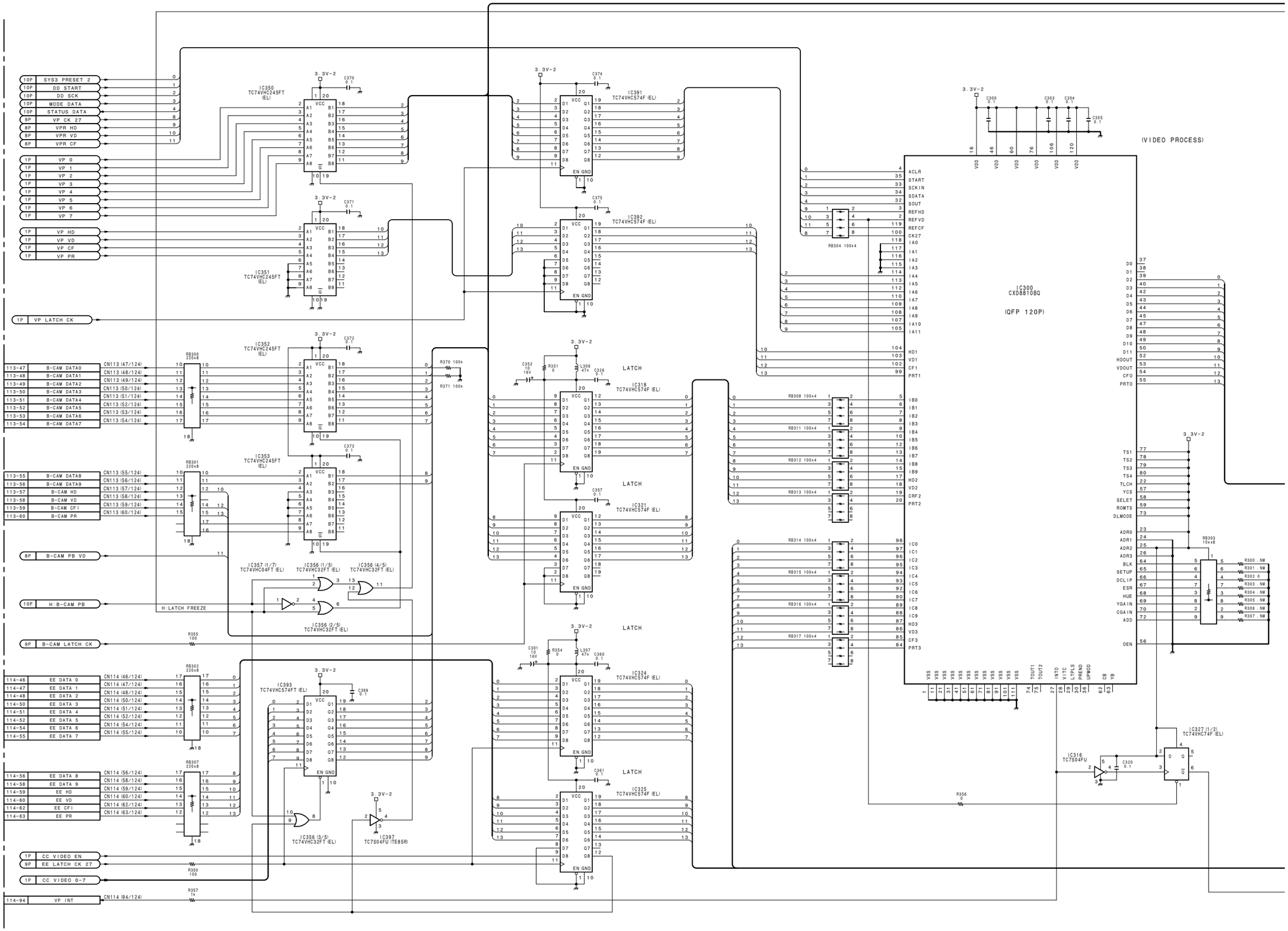
B-¥DNWA75-VPR47P-11@/M

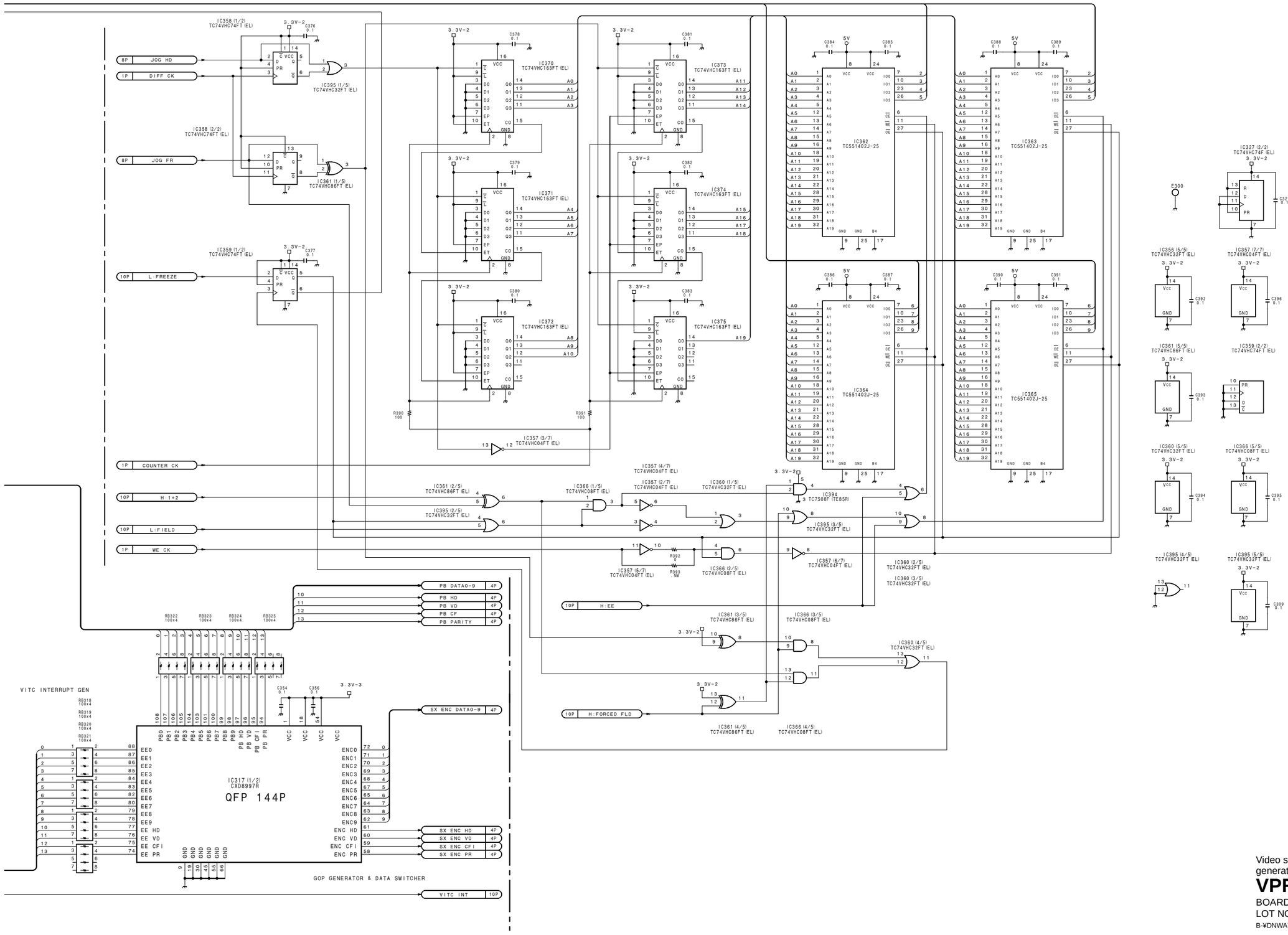


Video signal processor (D-A, Reference clock generator, Composite encoder)

VPR-47 (2/10)

BOARD NO. 1-670-581-11
LOT NO. 804-
B-¥DNWA75-VPR47P-11@/M

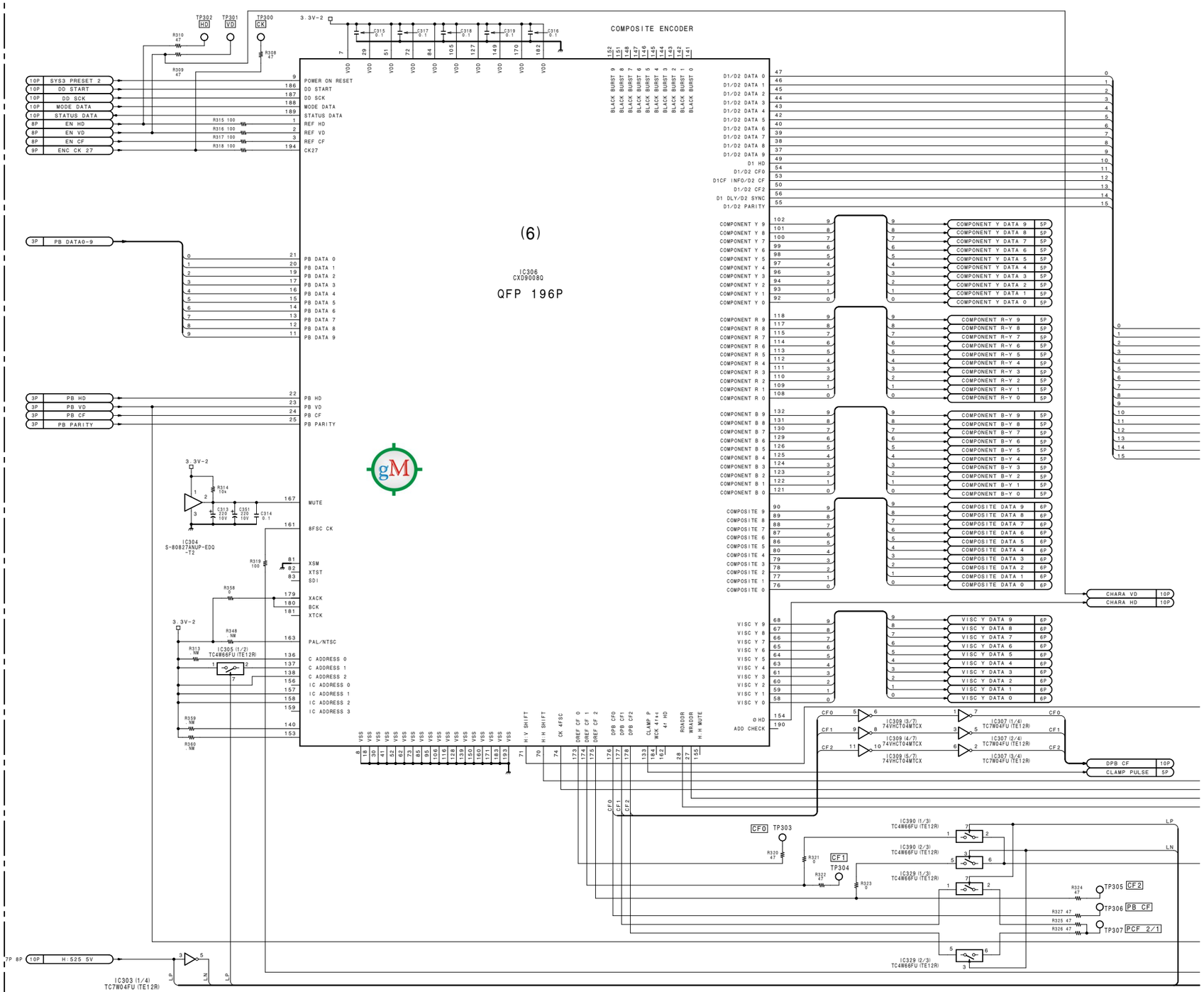

(VIDEO PROCESS)
IC300
CXD8810BQ
(QFP 120P)
IC350
TC74VHC245FT
(EL)
IC351
TC74VHC245FT
(EL)
IC352
TC74VHC245FT
(EL)
IC353
TC74VHC245FT
(EL)
IC391
TC74VHC574F (EL)
IC392
TC74VHC574F (EL)
IC318
TC74VHC574F (EL)
IC321
TC74VHC574F (EL)
IC324
TC74VHC574F (EL)
IC325
TC74VHC574F (EL)
IC393
TC74VHC574FT (EL)
IC357 (1/7)
TC74VHC04FT (EL)
IC356 (1/5)
TC74VHC32FT (EL)
IC356 (4/5)
TC74VHC32FT (EL)
IC356 (2/5)
TC74VHC32FT (EL)
IC356 (3/5)
TC74VHC32FT (EL)
IC397
TC7S04FU (TE85R)
IC316
TC7S04FU
IC327 (1/2)
TC74VHC74F (EL)
LATCH
H:LATCH FREEZE
SYS3 PRESET 2
DD START
DD SCK
MODE DATA
STATUS DATA
VP CK 27
VPR HD
VPR VD
VPR CF
VP 0
VP 1
VP 2
VP 3
VP 4
VP 5
VP 6
VP 7
VP HD
VP VD
VP CF
VP PR
VP LATCH CK
B-CAM DATA0
B-CAM DATA1
B-CAM DATA2
B-CAM DATA3
B-CAM DATA4
B-CAM DATA5
B-CAM DATA6
B-CAM DATA7
B-CAM DATA8
B-CAM DATA9
B-CAM HD
B-CAM VD
B-CAM CFI
B-CAM PR
B-CAM PB VD
H:B-CAM PB
B-CAM LATCH CK
EE DATA 0
EE DATA 1
EE DATA 2
EE DATA 3
EE DATA 4
EE DATA 5
EE DATA 6
EE DATA 7
EE DATA 8
EE DATA 9
EE HD
EE VD
EE CFI
EE PR
CC VIDEO EN
EE LATCH CK 27
CC VIDEO 0-7
VP INT
RB304 100x4
RB308 100x4
RB311 100x4
RB312 100x4
RB313 100x4
RB314 100x4
RB315 100x4
RB316 100x4
RB317 100x4
RB300 220x8
RB301 220x8
RB302 220x8
RB307 220x8
RB303 10kx8
R370 100k
R371 100k
R355 100
R350 100
R357 1k
R356 0
R351 0
R354 0
L306 47n
L307 47n
C352 10 16V
C301 10 16V
C326 0.1
C360 0.1
C361 0.1
C357 0.1
C399 0.1
C320 0.1
C300 0.1
C303 0.1
C304 0.1
C305 0.1
C370 0.1
C371 0.1
C372 0.1
C373 0.1
C374 0.1
C375 0.1
3.3V-2
VDD
VSS
EN GND
R300 NW
R301 NW
R302 0
R303 NW
R304 NW
R305 NW
R306 NW
R307 NW

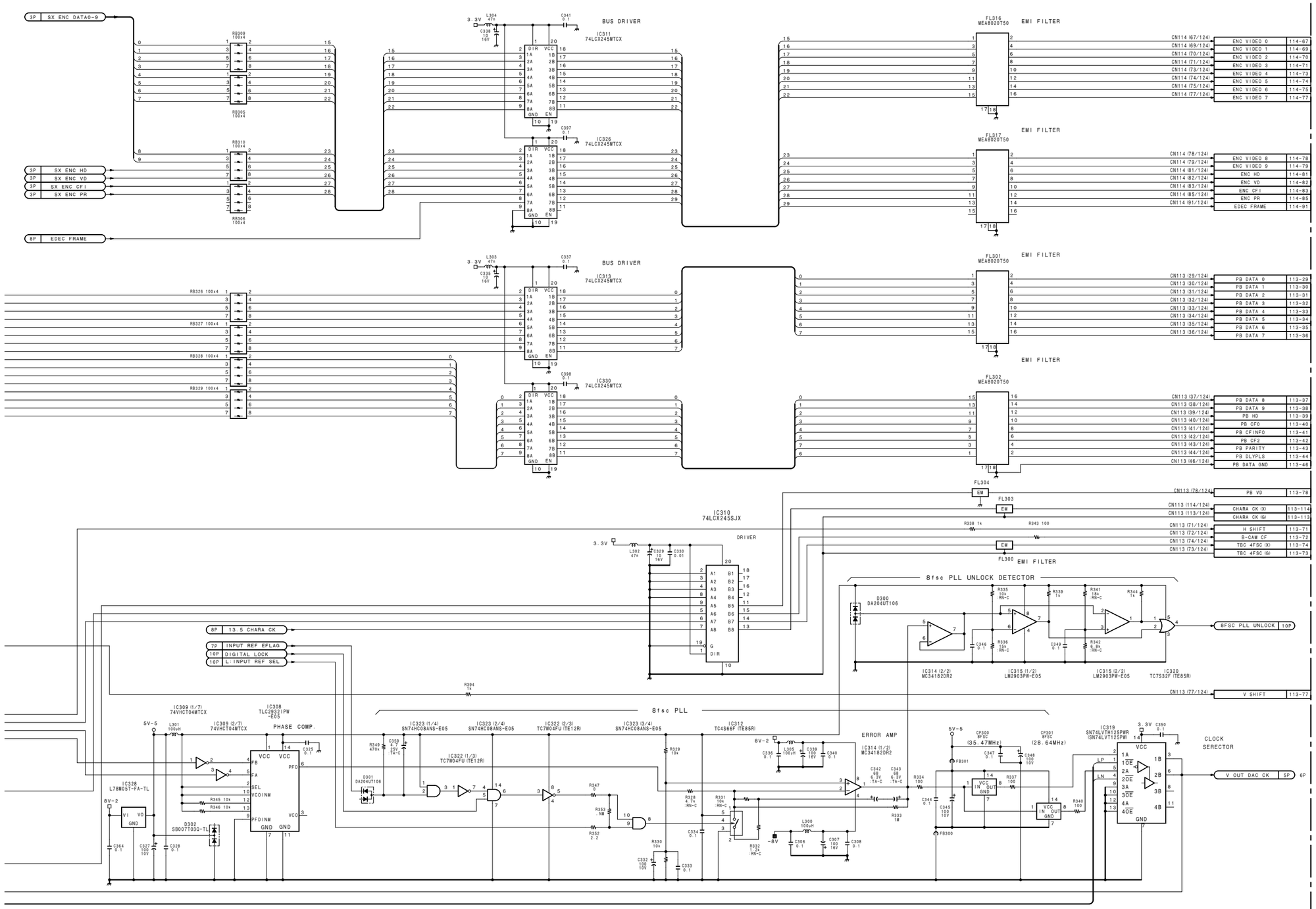


Video signal processor (D-A, Reference clock generator, Composite encoder)

VPR-47 (3/10)

BOARD NO. 1-670-581-11
LOT NO. 804-
B-¥DNWA75-VPR47P-11@/M


COMPOSITE ENCODER
(6)
IC306
CXD9008Q
QFP 196P
POWER ON RESET
DD START
DD SCK
MODE DATA
STATUS DATA
REF HD
REF VD
REF CF
CK27
PB DATA 0
PB DATA 1
PB DATA 2
PB DATA 3
PB DATA 4
PB DATA 5
PB DATA 6
PB DATA 7
PB DATA 8
PB DATA 9
PB HD
PB VD
PB CF
PB PARITY
MUTE
8FSC CK
XSM
XTST
SDI
XACK
BCK
XTCK
PAL/NTSC
C ADDRESS 0
C ADDRESS 1
C ADDRESS 2
IC ADDRESS 0
IC ADDRESS 1
IC ADDRESS 2
IC ADDRESS 3
D1/D2 DATA 0
D1/D2 DATA 1
D1/D2 DATA 2
D1/D2 DATA 3
D1/D2 DATA 4
D1/D2 DATA 5
D1/D2 DATA 6
D1/D2 DATA 7
D1/D2 DATA 8
D1/D2 DATA 9
D1 HD
D1/D2 CF0
D1CF INFO/D2 CF
D1/D2 CF2
D1 DLY/D2 SYNC
D1/D2 PARITY
COMPONENT Y DATA 9 5P
COMPONENT Y DATA 8 5P
COMPONENT Y DATA 7 5P
COMPONENT Y DATA 6 5P
COMPONENT Y DATA 5 5P
COMPONENT Y DATA 4 5P
COMPONENT Y DATA 3 5P
COMPONENT Y DATA 2 5P
COMPONENT Y DATA 1 5P
COMPONENT Y DATA 0 5P
COMPONENT R-Y 9 5P
COMPONENT R-Y 8 5P
COMPONENT R-Y 7 5P
COMPONENT R-Y 6 5P
COMPONENT R-Y 5 5P
COMPONENT R-Y 4 5P
COMPONENT R-Y 3 5P
COMPONENT R-Y 2 5P
COMPONENT R-Y 1 5P
COMPONENT R-Y 0 5P
COMPONENT B-Y 9 5P
COMPONENT B-Y 8 5P
COMPONENT B-Y 7 5P
COMPONENT B-Y 6 5P
COMPONENT B-Y 5 5P
COMPONENT B-Y 4 5P
COMPONENT B-Y 3 5P
COMPONENT B-Y 2 5P
COMPONENT B-Y 1 5P
COMPONENT B-Y 0 5P
COMPOSITE DATA 9 6P
COMPOSITE DATA 8 6P
COMPOSITE DATA 7 6P
COMPOSITE DATA 6 6P
COMPOSITE DATA 5 6P
COMPOSITE DATA 4 6P
COMPOSITE DATA 3 6P
COMPOSITE DATA 2 6P
COMPOSITE DATA 1 6P
COMPOSITE DATA 0 6P
VISC Y DATA 9 6P
VISC Y DATA 8 6P
VISC Y DATA 7 6P
VISC Y DATA 6 6P
VISC Y DATA 5 6P
VISC Y DATA 4 6P
VISC Y DATA 3 6P
VISC Y DATA 2 6P
VISC Y DATA 1 6P
VISC Y DATA 0 6P
CHARA VD 10P
CHARA HD 10P
DPB CF 10P
CLAMP PULSE 5P
SYS3 PRESET 2
DD START
DD SCK
MODE DATA
STATUS DATA
EN HD
EN VD
EN CF
ENC CK 27
PB DATA0-9
PB HD
PB VD
PB CF
PB PARITY
H:525 5V
IC303 (1/4) TC7W04FU (TE12R)
IC305 (1/2) TC4W66FU (TE12R)
IC304 S-80827ANUP-EDQ -T2
IC307 (1/4) TC7W04FU (TE12R)
IC307 (2/4) TC7W04FU (TE12R)
IC307 (3/4) TC7W04FU (TE12R)
IC309 (3/7) 74VHCT04MTCX
IC309 (4/7) 74VHCT04MTCX
IC309 (5/7) 74VHCT04MTCX
IC390 (1/3) TC4W66FU (TE12R)
IC390 (2/3) TC4W66FU (TE12R)
IC329 (1/3) TC4W66FU (TE12R)
IC329 (2/3) TC4W66FU (TE12R)
CF0 TP303
CF1 TP304
TP305 CF2
TP306 PB CF
TP307 PCF 2/1
LP
LN
3.3V-2

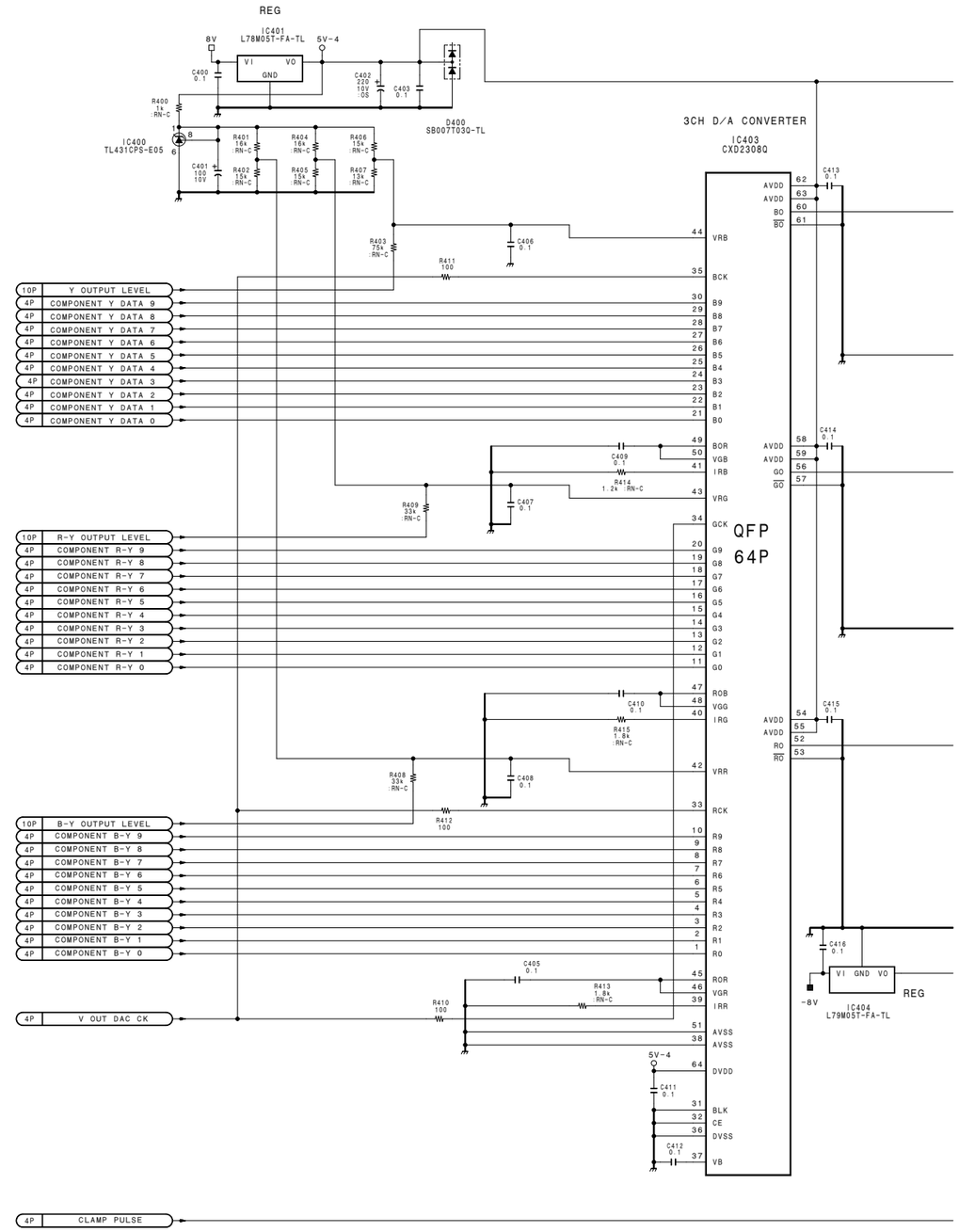


Video signal processor (D-A, Reference clock generator, Composite encoder)

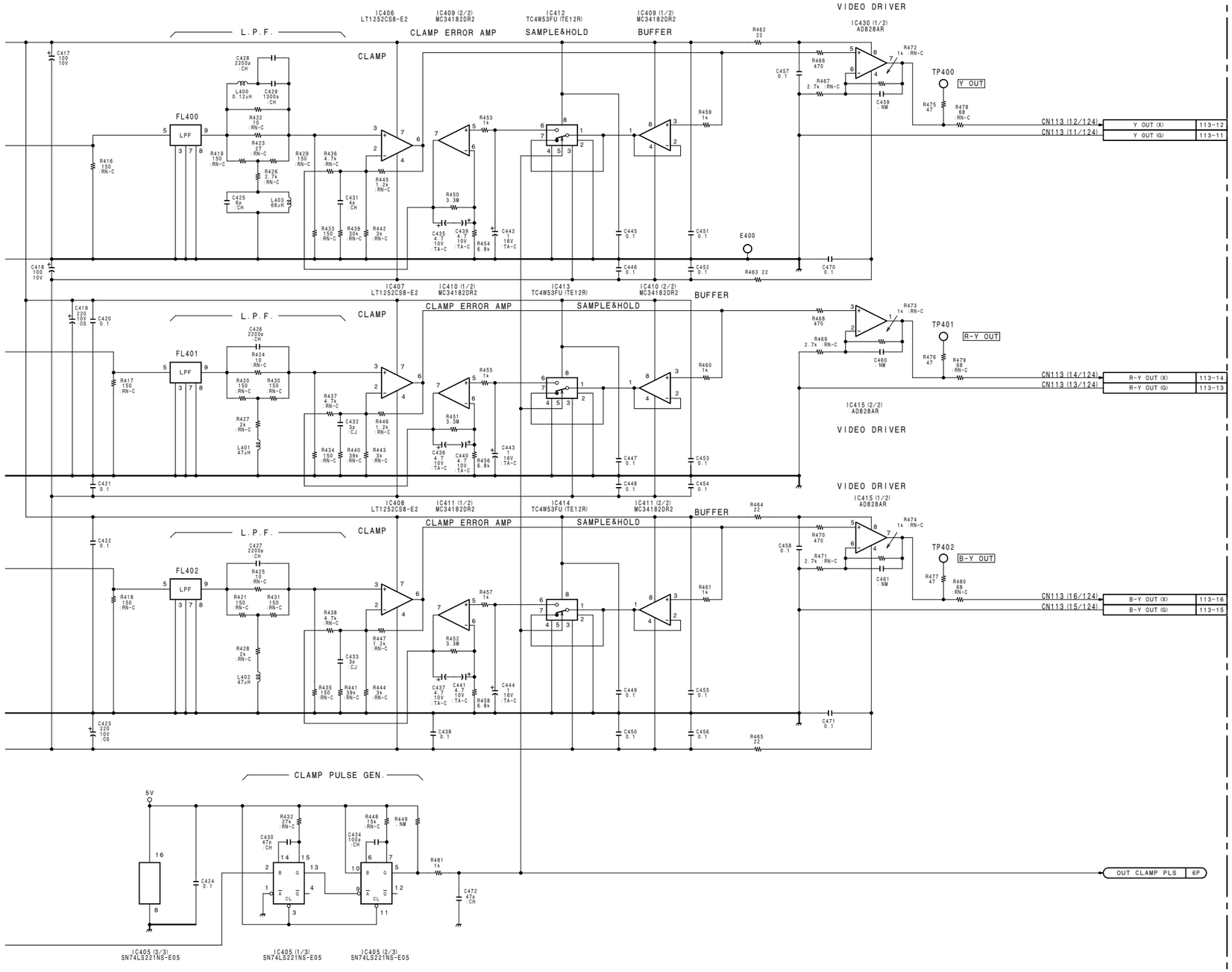
VPR-47 (4/10)

BOARD NO. 1-670-581-11
LOT NO. 804-
B-¥DNWA75-VPR47P-11@/M

VPR-47 (5/10) DNW-75P/65P



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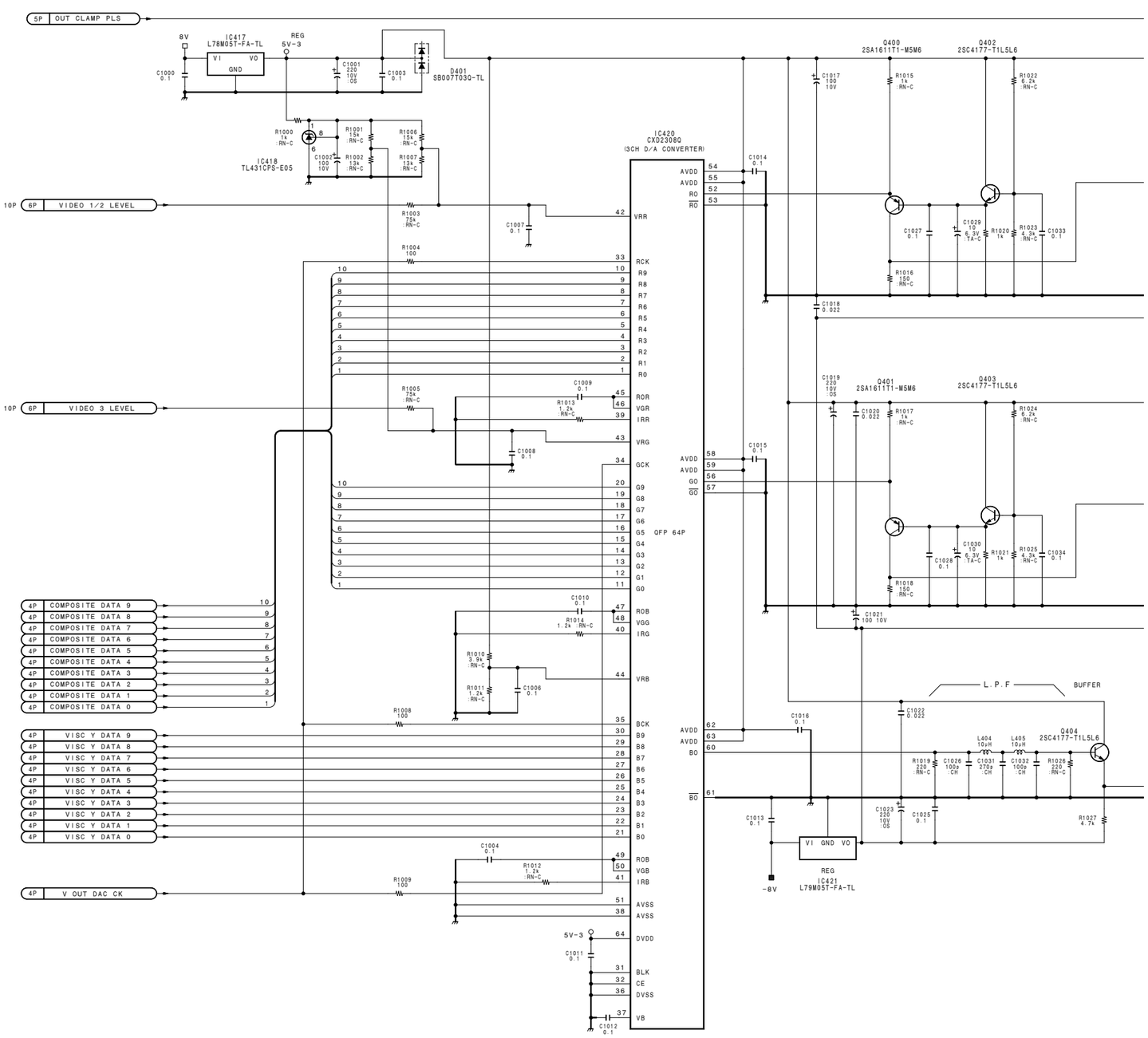
Reference	NT	PAL	
C426. C427. C428 C1037. C1039	1500P	2200P	:CH
C429. C1038. C1040	180P	1300P	:CH
C425. C1035. C1036	9P	6P	:CH
R424. R425	15 (:RN-C)	10 (:RN-C)	
R427. R428	1.3K (:RN-C)	2K (:RN-C)	
R422. R1030. R1032	18 (:RN-C)	10 (:RN-C)	
R423. R1031. R1033	82 (:RN-C)	27 (:RN-C)	
R426. R1034. R1035	1.6K (:RN-C)	2.7K (:RN-C)	
L401. L402	33UH	47UH	
L400. L406. L407	0.18UH	0.12UH	
L403. L408. L409	39UH	68UH	

Video signal processor (D-A, Reference clock generator, Composite encoder)

VPR-47 (5/10)

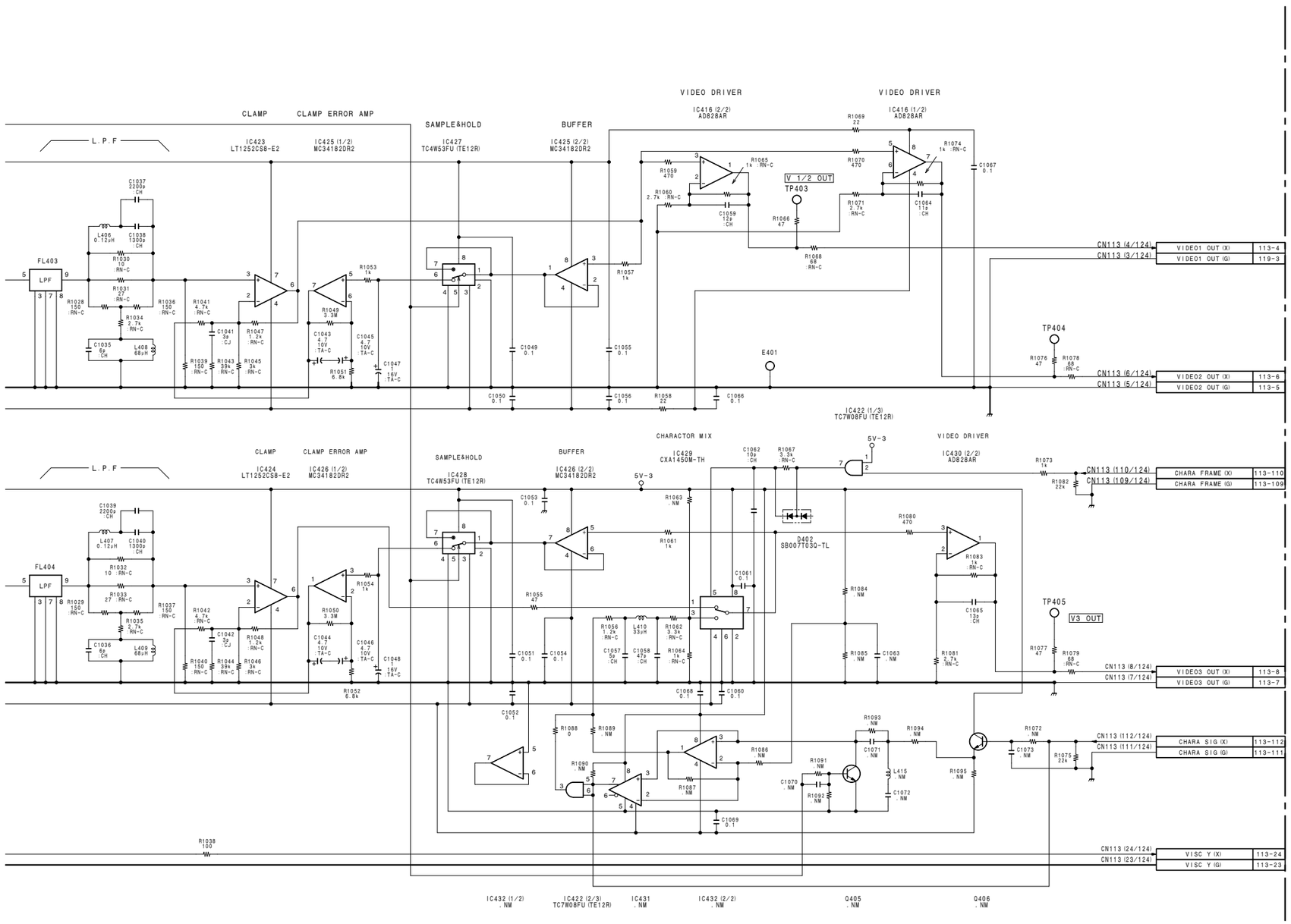
BOARD NO. 1-670-581-11
LOT NO. 804-
B-¥DNWA75-VPR47P-11@/M

VPR-47 (6/10) DNW-75P/65P



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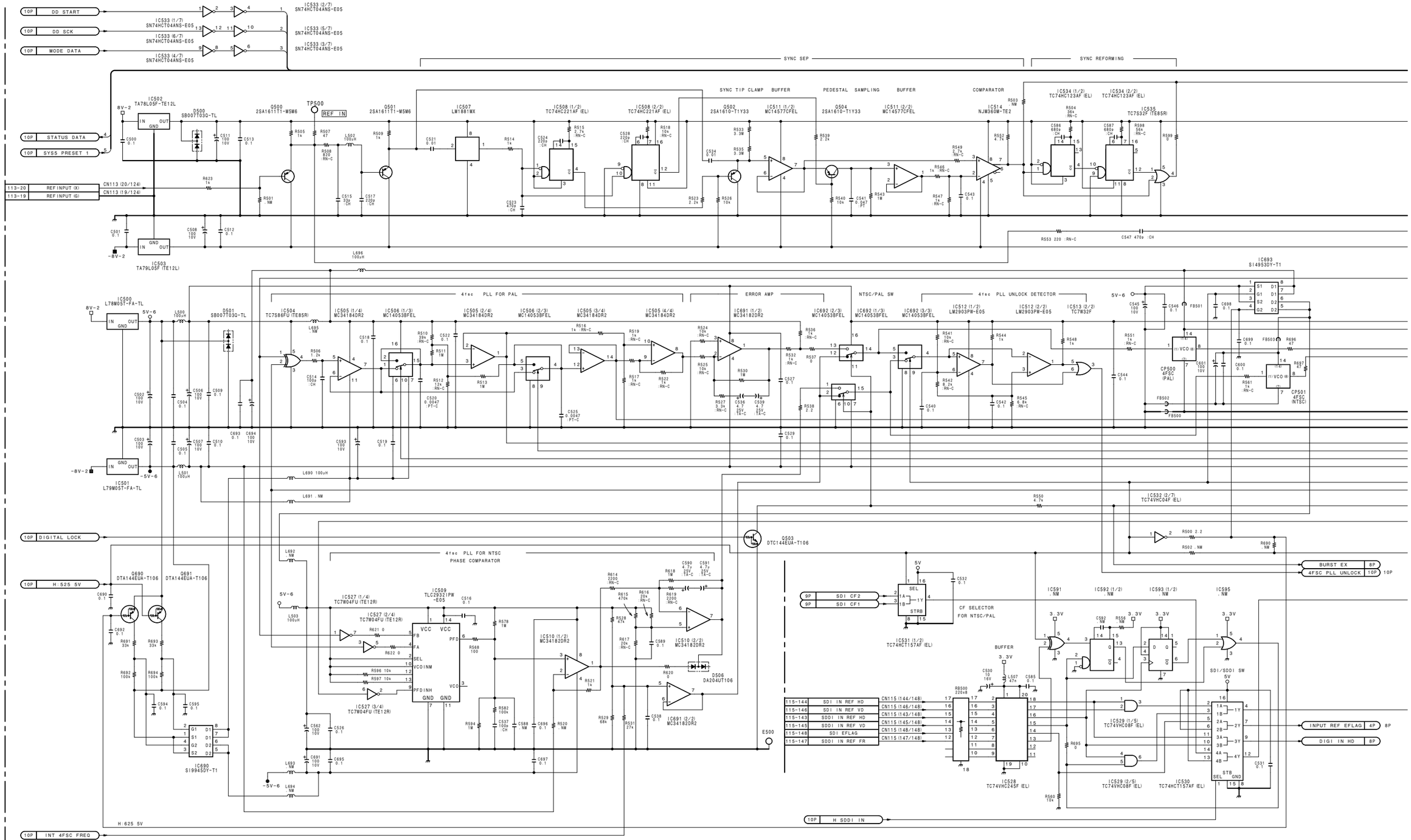


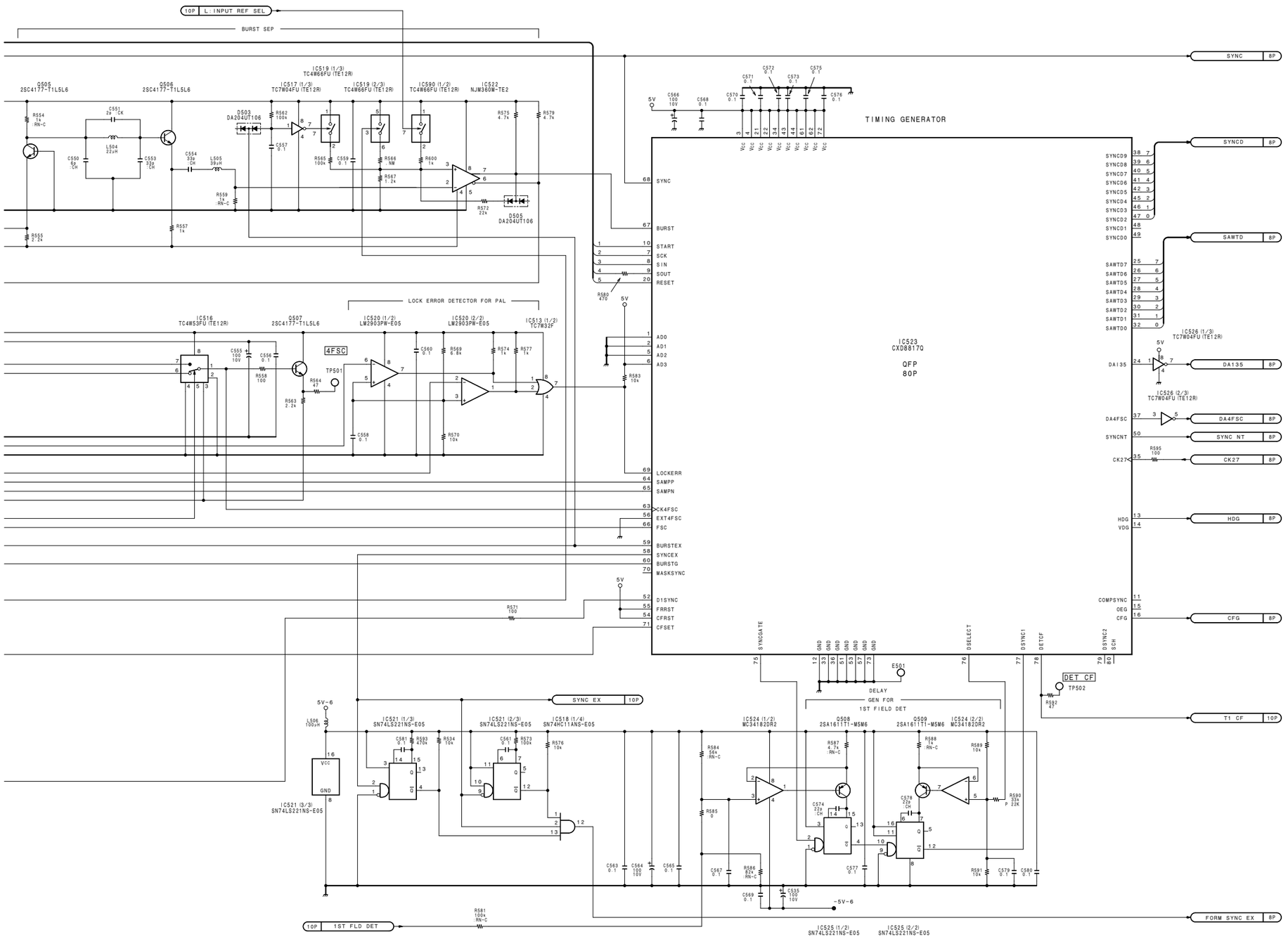
Reference	NT	PAL	
C426, C427, C428 C1037, C1039	1500P	2200P	: CH
C429, C1038, C1040	180P	1300P	: CH
C425, C1035, C1036	9P	6P	: CH
C1059	11P (:CH)	12P (:CH)	
C1064	10P (:CH)	11P (:CH)	
C1065	12P (:CH)	13P (:CH)	
R424, R425	15 (:RN-C)	10 (:RN-C)	
R427, R428	1.3K (:RN-C)	2K (:RN-C)	
R422, R1030, R1032	18 (:RN-C)	10 (:RN-C)	
R423, R1031, R1033	82 (:RN-C)	27 (:RN-C)	
R426, R1034, R1035	1.6K (:RN-C)	2.7K (:RN-C)	
L401, L402	33UH	47UH	
L400, L406, L407	0.18UH	0.12UH	
L403, L408, L409	39UH	68UH	

Video signal processor (D-A, Reference clock generator, Composite encoder)

VPR-47 (6/10)

BOARD NO. 1-670-581-11
LOT NO. 804-
B-¥DNWA75-VPR47P-11@/M

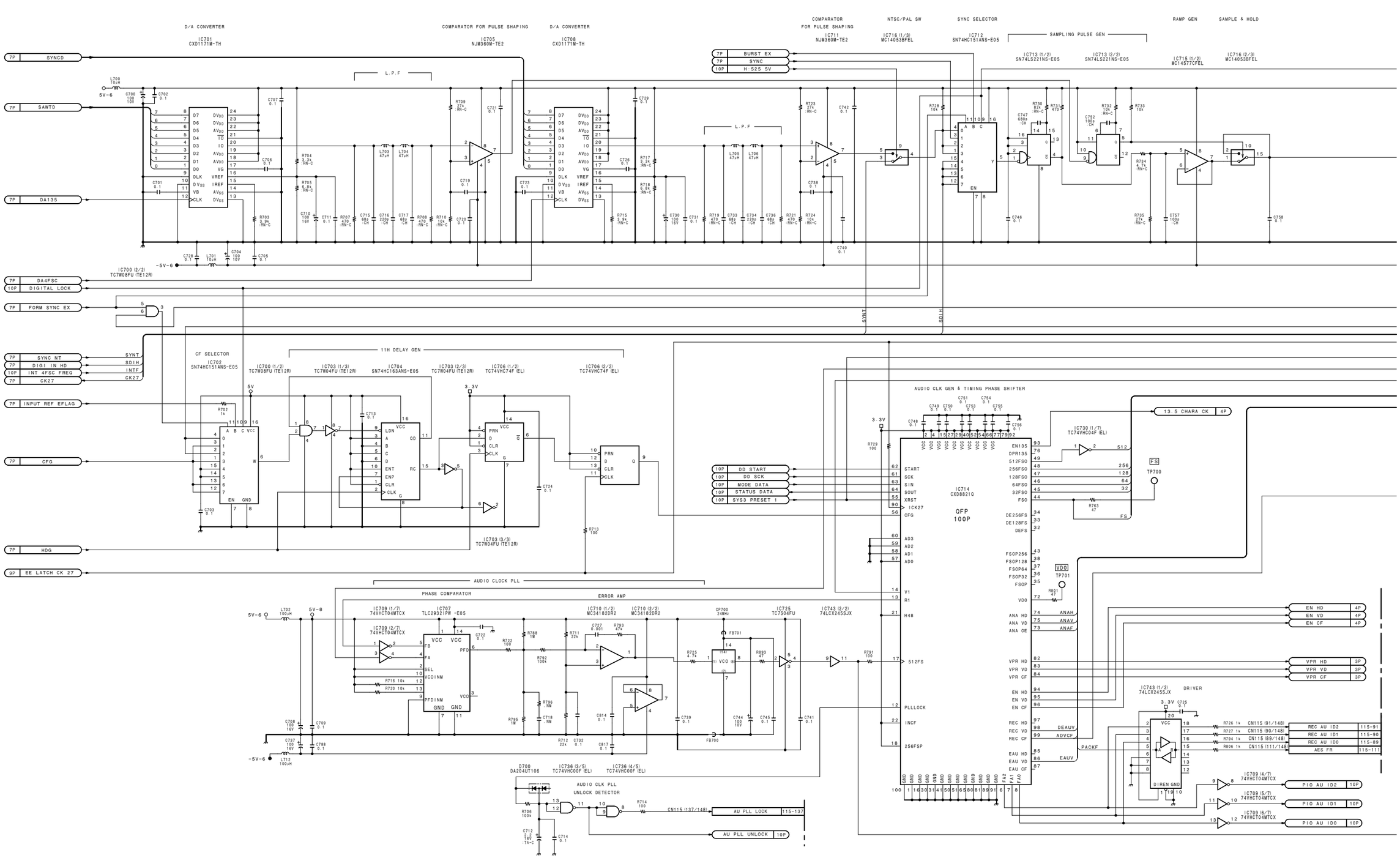

10P DD START
10P DD SCK
10P MODE DATA
IC533 (1/7) SN74HCT04ANS-E05
IC533 (6/7) SN74HCT04ANS-E05
IC533 (4/7) SN74HCT04ANS-E05
IC533 (2/7) SN74HCT04ANS-E05
IC533 (5/7) SN74HCT04ANS-E05
IC533 (3/7) SN74HCT04ANS-E05
SYNC SEP
SYNC REFORMING
SYNC TIP CLAMP BUFFER
PEDESTAL SAMPLING BUFFER
COMPARATOR
10P STATUS DATA
10P SYS5 PRESET 1
113-20 REFINPUT (X)
113-19 REFINPUT (G)
CN113 (20/124)
CN113 (19/124)
IC502 TA78L05F-TE12L
IC503 TA79L05F (TE12L)
D500 SB007T03Q-TL
Q500 2SA1611T1-M5M6
Q501 2SA1611T1-M5M6
TP500
REF IN
IC507 LM1881MX
IC508 (1/2) TC74HC221AF (EL)
IC508 (2/2) TC74HC221AF (EL)
Q502 2SA1610-T1Y33
IC511 (1/2) MC14577CFEL
Q504 2SA1610-T1Y33
IC511 (2/2) MC14577CFEL
IC514 NJM360M-TE2
IC534 (1/2) TC74HC123AF (EL)
IC534 (2/2) TC74HC123AF (EL)
IC535 TC7S32F (TE85R)
L696 100μH
IC500 L78M05T-FA-TL
IC501 L79M05T-FA-TL
D501 SB007T03Q-TL
L500 100μH
L501 100μH
L502 100μH
L503 100μH
4fsc PLL FOR PAL
ERROR AMP
NTSC/PAL SW
4fsc PLL UNLOCK DETECTOR
IC504 TC7S86FU (TE85R)
IC505 (1/4) MC341840R2
IC506 (1/3) MC14053BFEL
IC505 (2/4) MC341840R2
IC506 (2/3) MC14053BFEL
IC505 (3/4) MC341840R2
IC505 (4/4) MC341840R2
IC691 (1/2) MC341820R2
IC692 (2/3) MC14053BFEL
IC692 (1/3) MC14053BFEL
IC692 (3/3) MC14053BFEL
IC512 (1/2) LM2903PW-E05
IC512 (2/2) LM2903PW-E05
IC513 (2/2) TC7W32F
IC693 S1A9330Y-T1
CP500 4FSC (PAL)
CP501 4FSC (NTSC)
FB501
FB502
FB503
FB500
L685 .NM
L690 100μH
L691 .NM
10P DIGITAL LOCK
10P H:525 5V
H:625 5V
10P INT 4FSC FREQ
Q690 DTA144EUA-T106
Q691 DTA144EUA-T106
IC690 S1994S0Y-T1
4fsc PLL FOR NTSC PHASE COMPARATOR
IC509 TLC2932IPW -E05
IC527 (1/4) TC7W04FU (TE12R)
IC527 (2/4) TC7W04FU (TE12R)
IC527 (3/4) TC7W04FU (TE12R)
IC527 (4/4) TC7W04FU (TE12R)
IC510 (1/2) MC341820R2
IC510 (2/2) MC341820R2
IC691 (2/2) MC341820R2
D506 DA204UT106
Q503 DTC144EUA-T106
E500
9P SDI CF2
9P SDI CF1
CF SELECTOR FOR NTSC/PAL
IC531 (1/2) TC74HCT157AF (EL)
BUFFER
SDI/SDDI SW
IC529 (1/5) TC74VHC08F (EL)
IC529 (2/5) TC74VHC08F (EL)
IC530 TC74HCT157AF (EL)
IC528 TC74VHC245F (EL)
IC532 (2/7) TC74VHC04F (EL)
115-144 SDI IN REF HD
115-146 SDI IN REF VD
115-143 SDDI IN REF HD
115-145 SDDI IN REF VD
115-148 SDI EFLAG
115-147 SDDI IN REF FR
CN115 (144/148)
CN115 (146/148)
CN115 (143/148)
CN115 (145/148)
CN115 (148/148)
CN115 (147/148)
BURST EX 8P
4FSC PLL UNLOCK 10P
INPUT REF EFLAG 4P
DIGI IN HD 8P
10P H SDDI IN

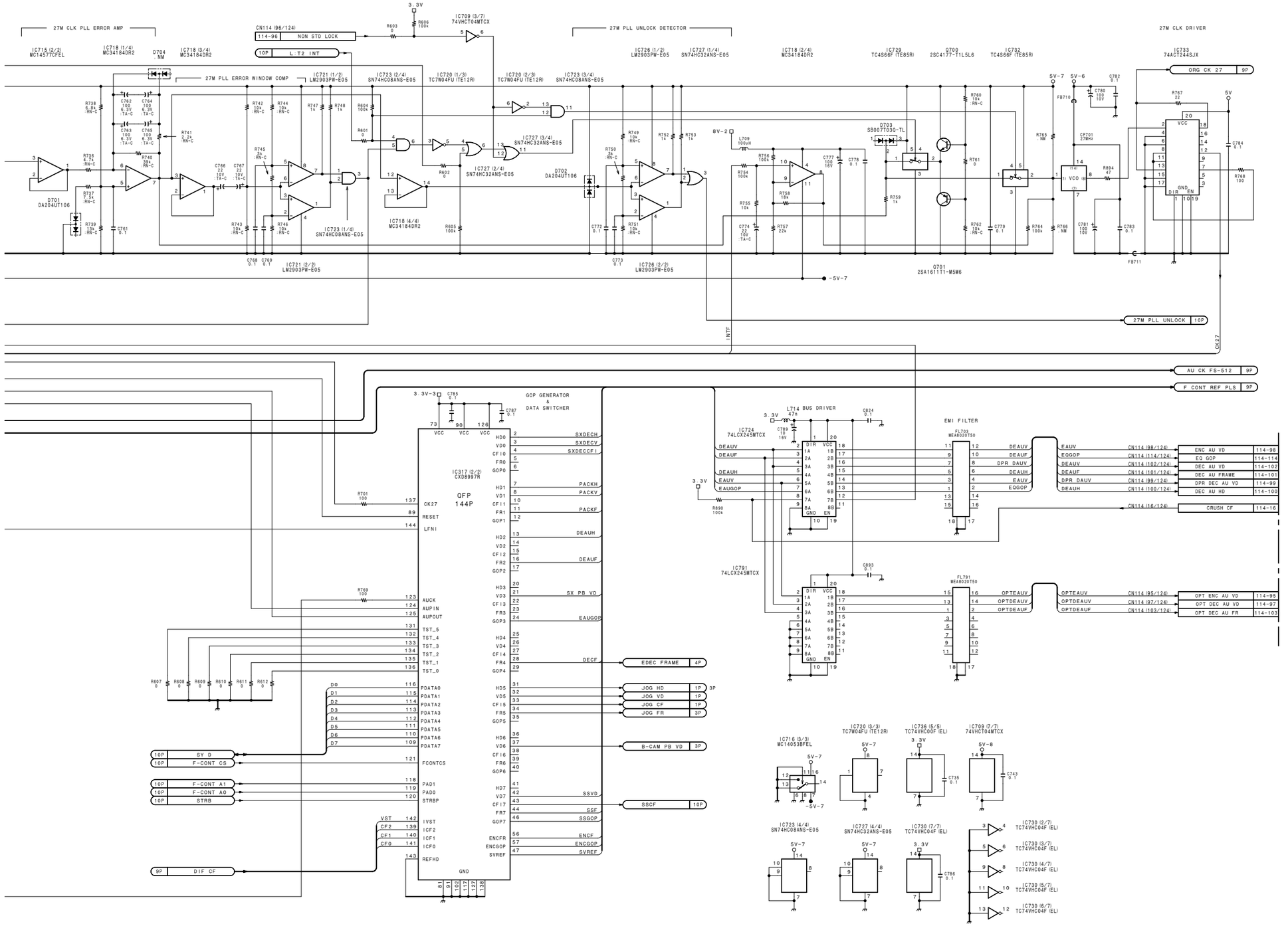


Video signal processor (D-A, Reference clock generator, Composite encoder)

VPR-47 (7/10)

BOARD NO. 1-670-581-11
LOT NO. 804-
B-¥DNWA75-VPR47P-11@/M


D/A CONVERTER
IC701 CXD1171M-TH
COMPARATOR FOR PULSE SHAPING
IC705 NJM360M-TE2
D/A CONVERTER
IC708 CXD1171M-TH
COMPARATOR FOR PULSE SHAPING
IC711 NJM360M-TE2
NTSC/PAL SW
IC716 (1/3) MC14053BFEL
SYNC SELECTOR
IC712 SN74HC151ANS-E05
SAMPLING PULSE GEN
IC713 (1/2) SN74LS221NS-E05
IC713 (2/2) SN74LS221NS-E05
RAMP GEN
IC715 (1/2) MC14577CFEL
SAMPLE & HOLD
IC716 (2/3) MC14053BFEL
L.P.F
L.P.F
7P SYNCD
7P SAWTD
7P DA135
7P DA4FSC
10P DIGITAL LOCK
7P FORM SYNC EX
7P BURST EX
7P SYNC
10P H:525 5V
IC700 (2/2) TC7W08FU (TE12R)
11H DELAY GEN
IC700 (1/2) TC7W08FU (TE12R)
IC703 (1/3) TC7W04FU (TE12R)
IC704 SN74HC163ANS-E05
IC703 (2/3) TC7W04FU (TE12R)
IC706 (1/2) TC74VHC74F (EL)
IC706 (2/2) TC74VHC74F (EL)
IC703 (3/3) TC7W04FU (TE12R)
CF SELECTOR
IC702 SN74HC151ANS-E05
7P SYNC NT
7P DIGI IN HD
10P INT 4FSC FREQ
7P CK27
SYNT
SDIH
INTF
CK27
7P INPUT REF EFLAG
7P CFG
7P HDG
9P EE LATCH CK 27
AUDIO CLK GEN & TIMING PHASE SHIFTER
IC730 (1/7) TC74VHC04F (EL)
IC714 CXD8821Q QFP 100P
13.5 CHARA CK 4P
FS
TP700
VDD
TP701
10P DD START
10P DD SCK
10P MODE DATA
10P STATUS DATA
10P SYS3 PRESET 1
EN HD 4P
EN VD 4P
EN CF 4P
VPR HD 3P
VPR VD 3P
VPR CF 3P
IC743 (1/2) 74LCX245SJX DRIVER
REC AU ID2 115-91
REC AU ID1 115-90
REC AU ID0 115-89
AES FR 115-111
PIO AU ID2 10P
PIO AU ID1 10P
PIO AU ID0 10P
AUDIO CLOCK PLL
PHASE COMPARATOR
ERROR AMP
IC707 TLC2932IPW -E05
IC710 (1/2) MC34182DR2
IC710 (2/2) MC34182DR2
IC725 TC7S04FU
IC743 (2/2) 74LCX245SJX
IC709 (1/7) 74VHCT04MTCX
IC709 (2/7) 74VHCT04MTCX
IC709 (4/7) 74VHCT04MTCX
IC709 (5/7) 74VHCT04MTCX
IC709 (6/7) 74VHCT04MTCX
D700 DA204UT106
IC736 (3/5) TC74VHC00F (EL)
IC736 (4/5) TC74VHC00F (EL)
AUDIO CLK PLL UNLOCK DETECTOR
AU PLL LOCK 115-137
AU PLL UNLOCK 10P
SYNT
SDIH

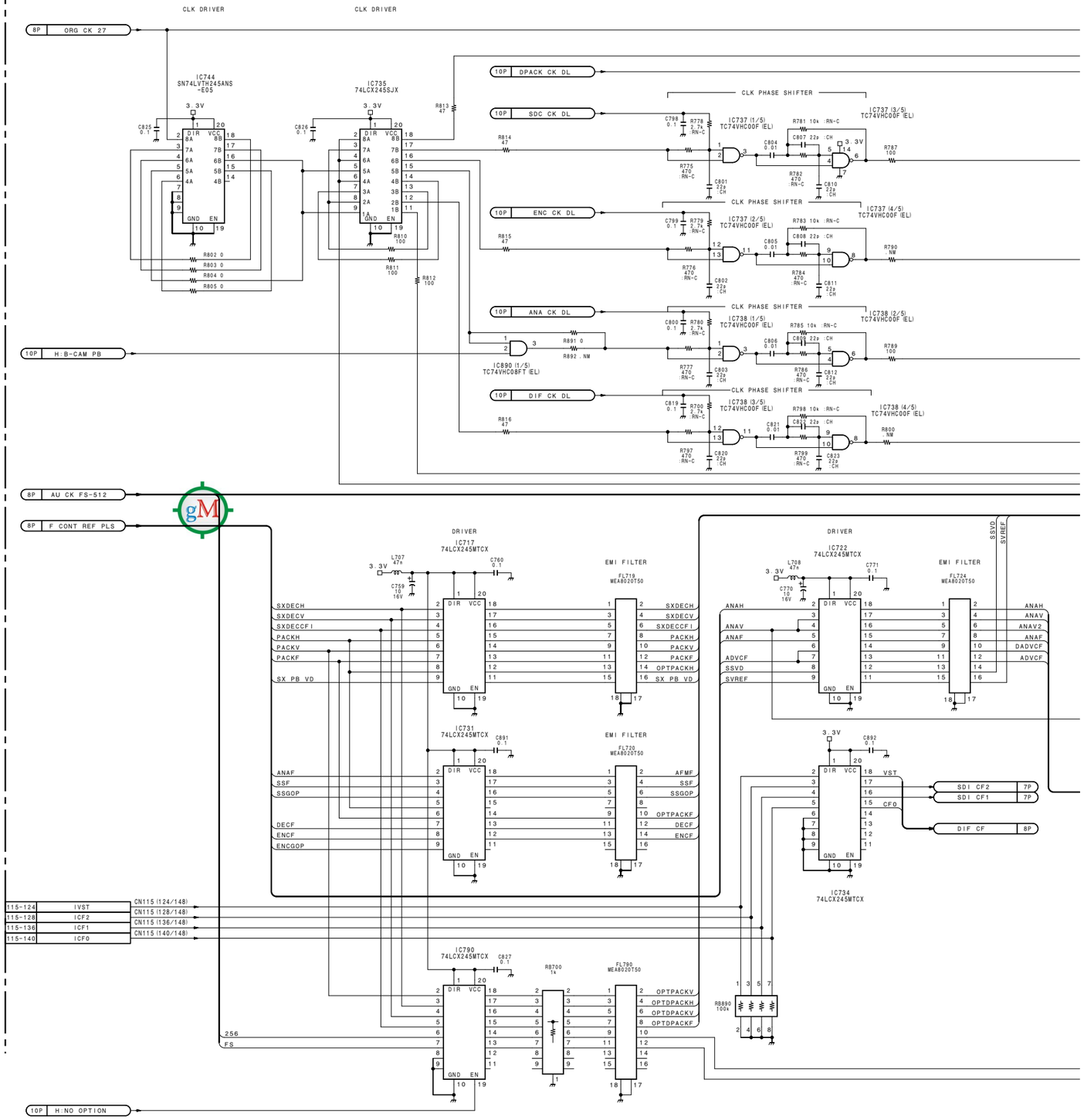


Video signal processor (D-A, Reference clock generator, Composite encoder)

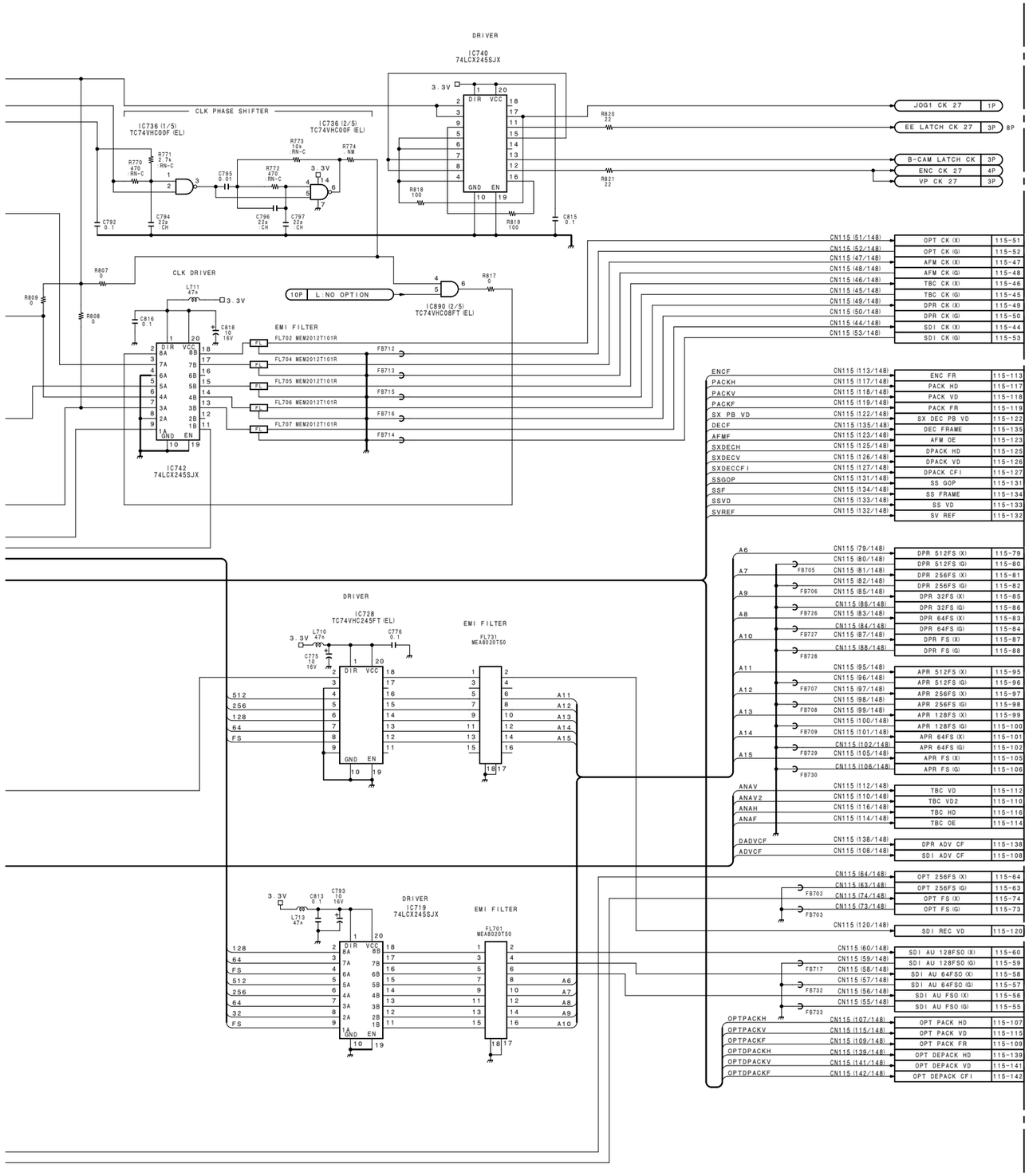
VPR-47 (8/10)

BOARD NO. 1-670-581-11
LOT NO. 804-
B-¥DNWA75-VPR47P-11@/M

VPR-47 (9/10) DNW-75P/65P



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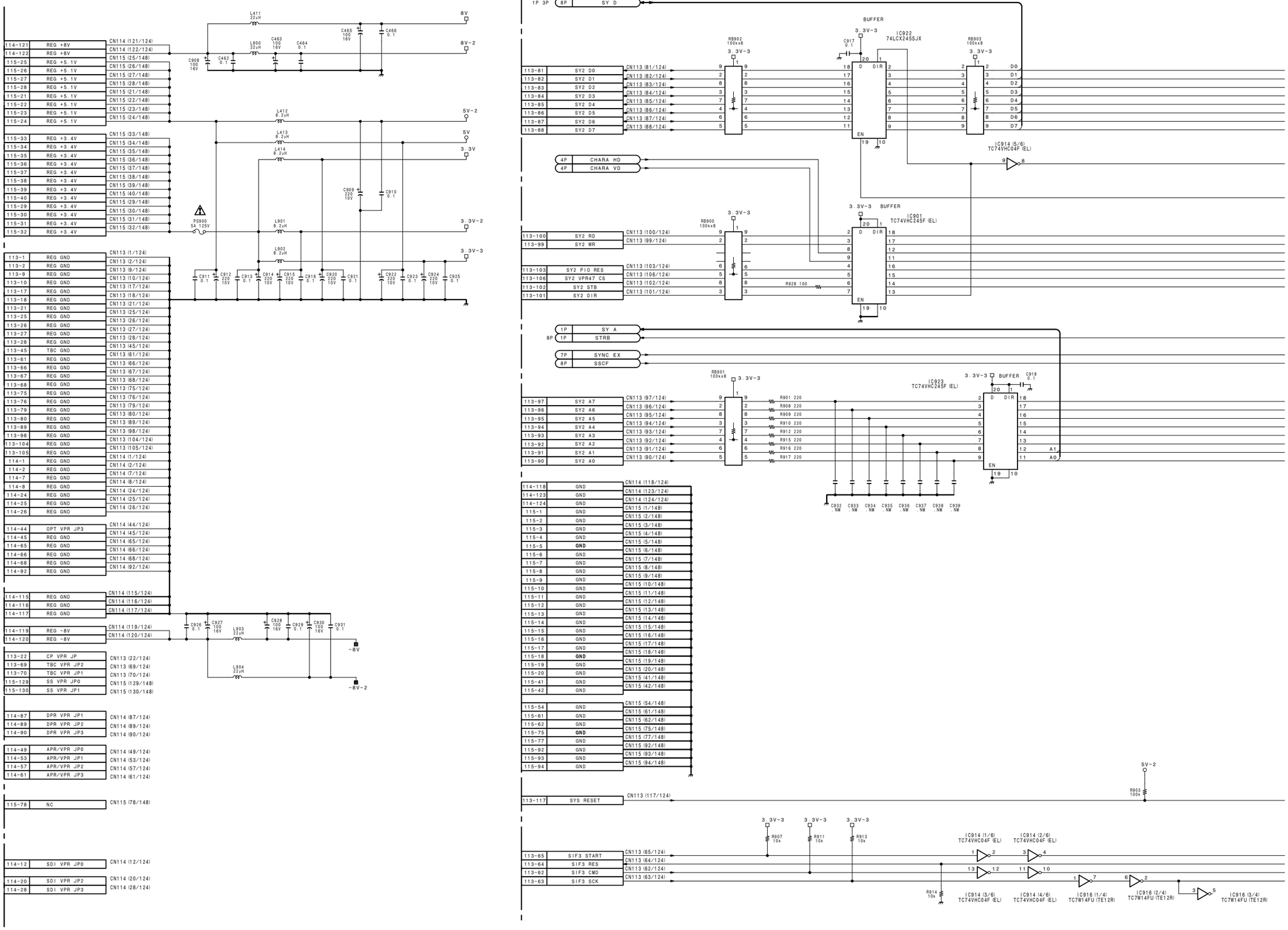


Video signal processor (D-A, Reference clock generator, Composite encoder)

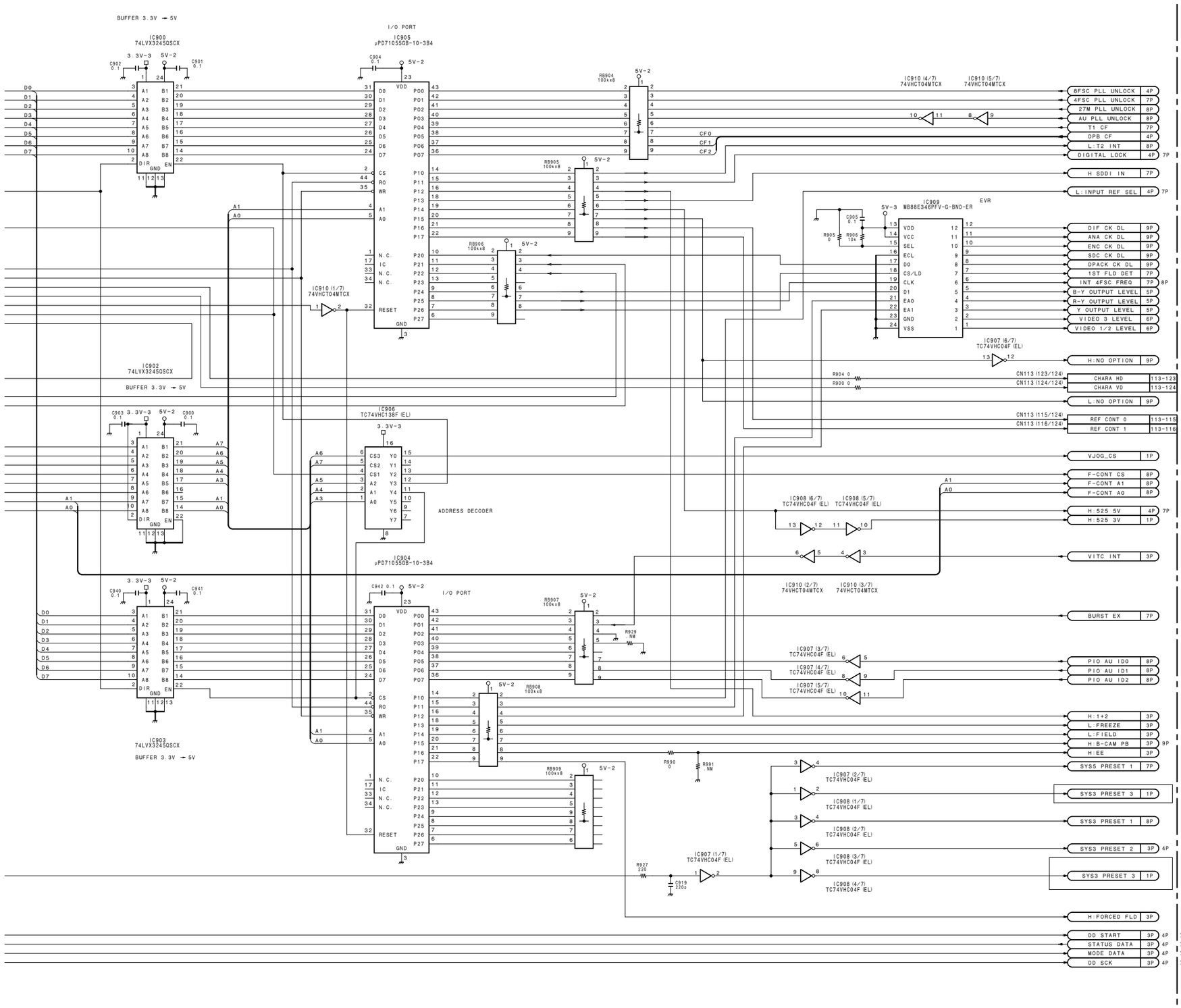
VPR-47 (9/10)

BOARD NO. 1-670-581-11
LOT NO. 804-
B-¥DNWA75-VPR47P-11@/M

VPR-47 (10/10) DNW-75P/65P



VPR-47 (10/10) DNW-75P/65P

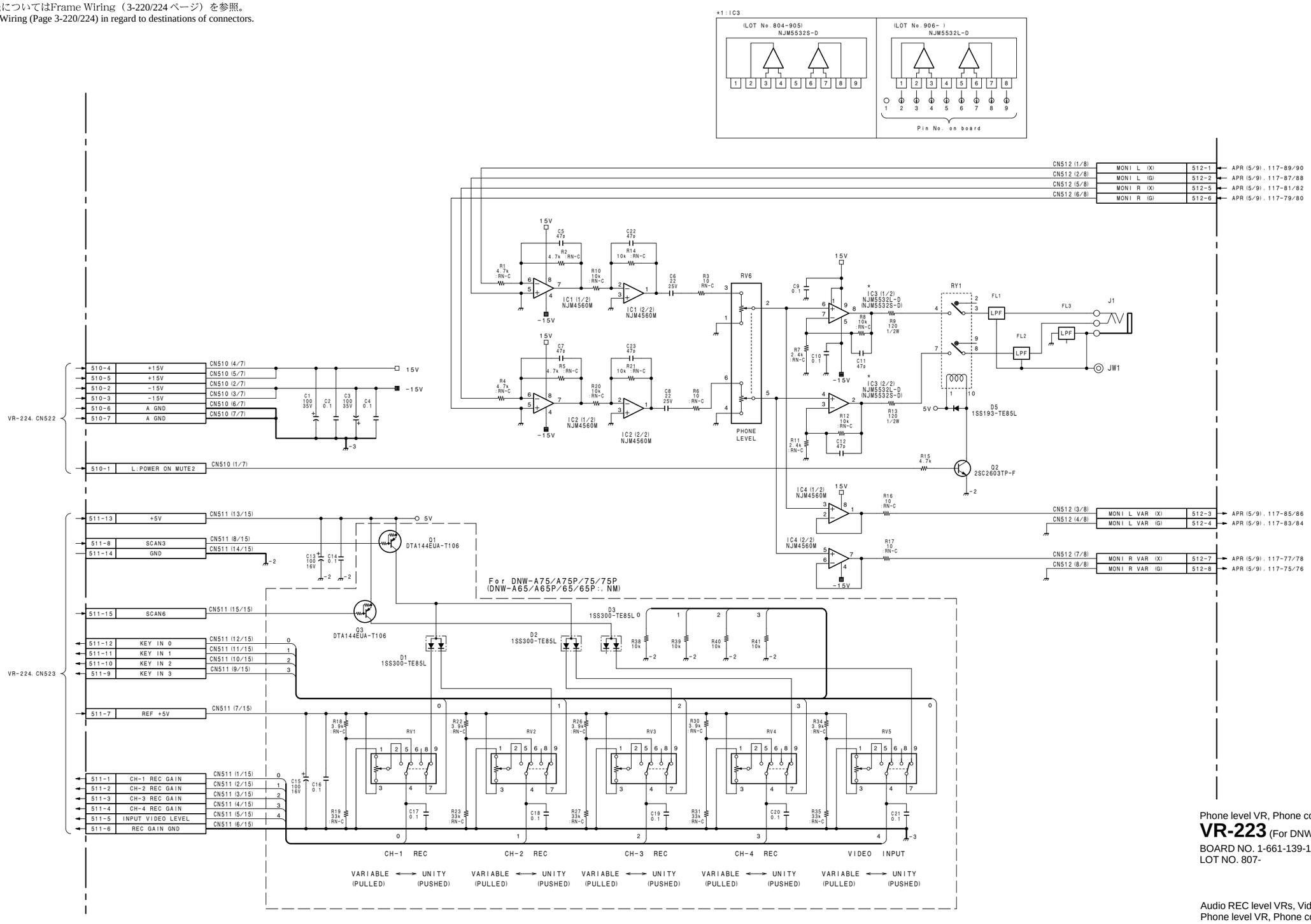


Video signal processor (D-A, Reference clock generator, Composite encoder)

VPR-47 (10/10)

BOARD NO. 1-670-581-11
LOT NO. 804-
B-¥DNWA75-VPR47P-11@/M

コネクタの接続先についてはFrame Wiring（3-220/224 ページ）を参照。
Refer to the Farme Wiring (Page 3-220/224) in regard to destinations of connectors.

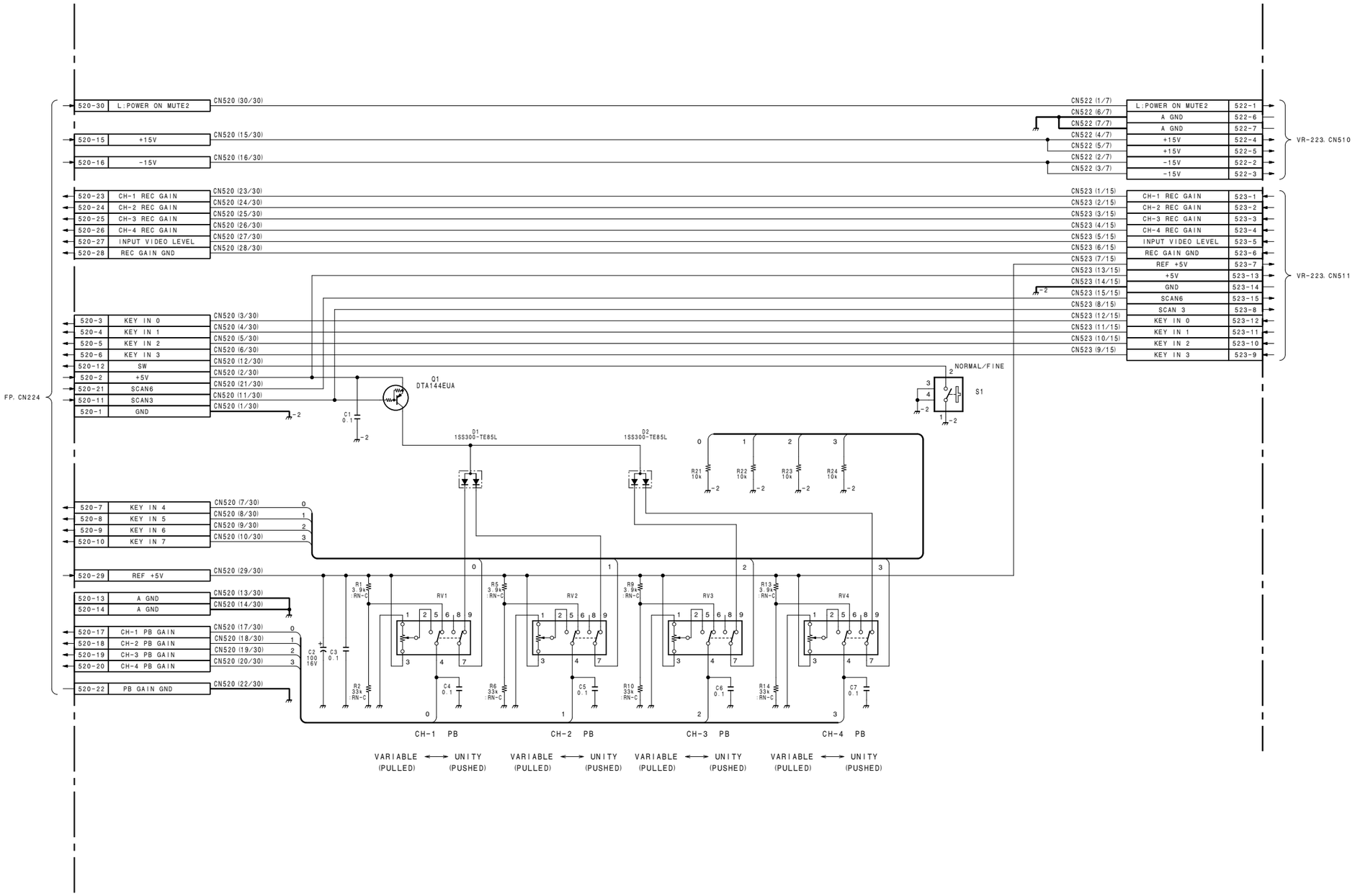


Phone level VR, Phone connector
VR-223 (For DNW-A65/A65P/65/65P)
BOARD NO. 1-661-139-12
LOT NO. 807-

Audio REC level VRs, Video input level VR,
Phone level VR, Phone connector
VR-223 (For DNW-A75/A75P/75/75P)
BOARD NO. 1-661-139-12
LOT NO. 804-
B-¥DNWA75-VR223-12/M

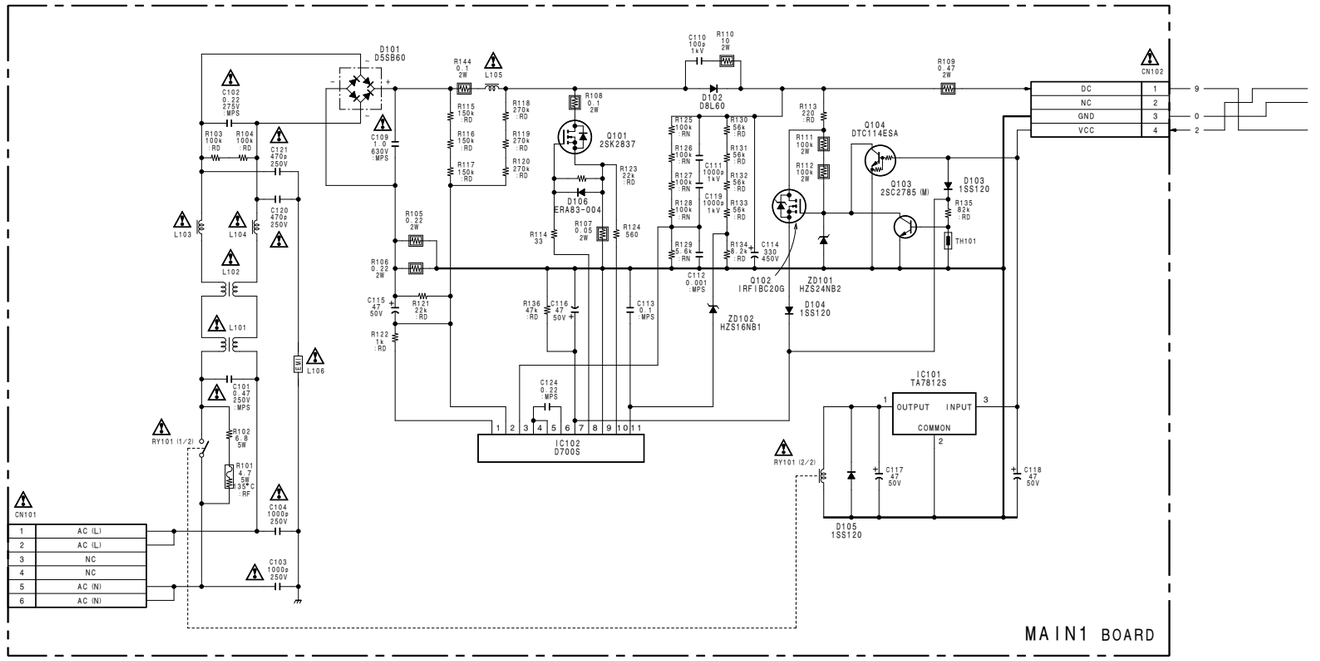
http://getMANUAL.com

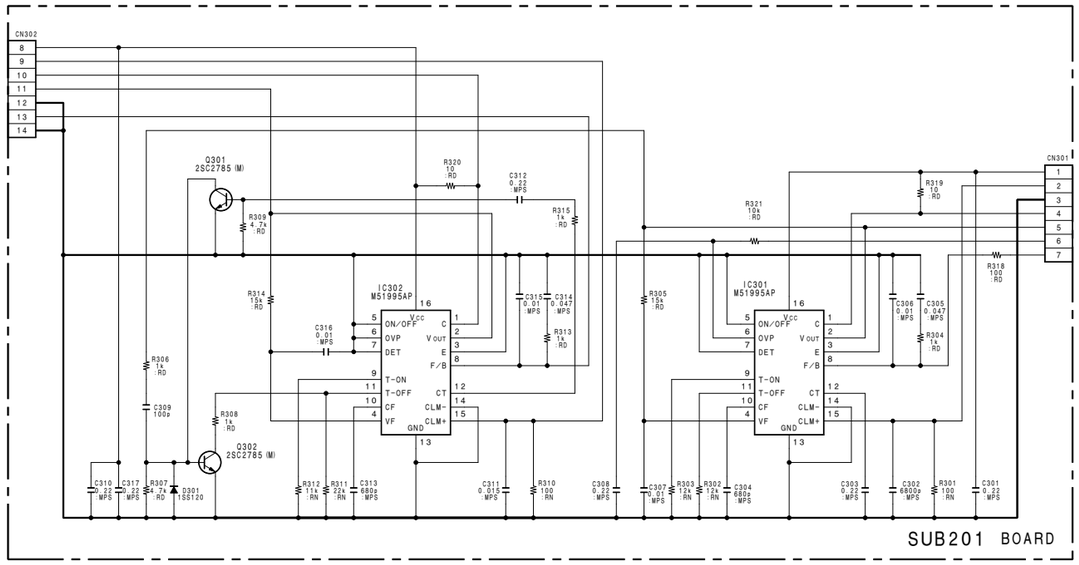
コネクタの接続先についてはFrame Wiring（3-220/224 ページ）を参照。
Refer to the Farme Wiring (Page 3-220/224) in regard to destinations of connectors.

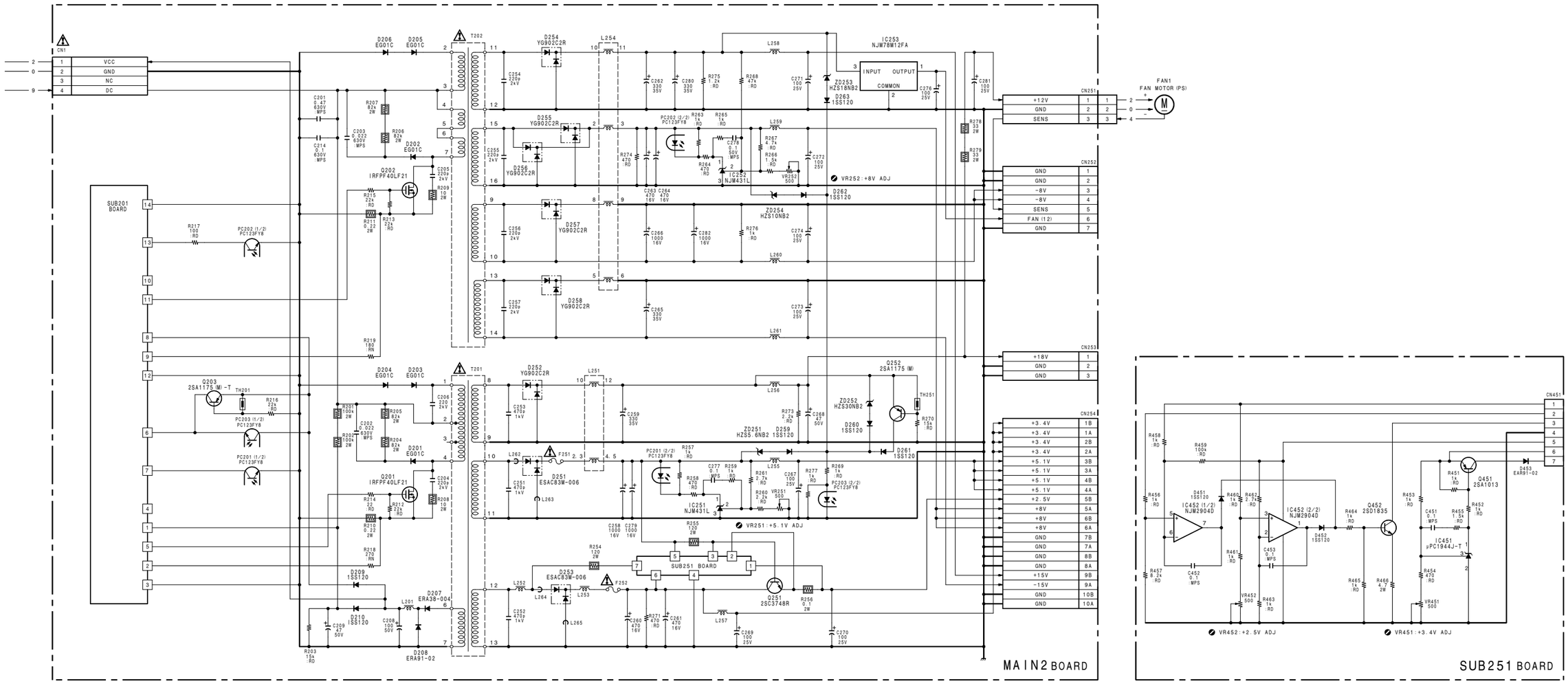


Audio PB level VRs
VR-224
BOARD NO. 1-661-140-11
LOT NO. 804-
B-¥DNWA75-VR224-11/M

コネクタの接続先についてはFrame Wiring（3-221/225 ページ）を参照。
Refer to the Farme Wiring (Page 3-221/225) in regard to destinations of connectors.



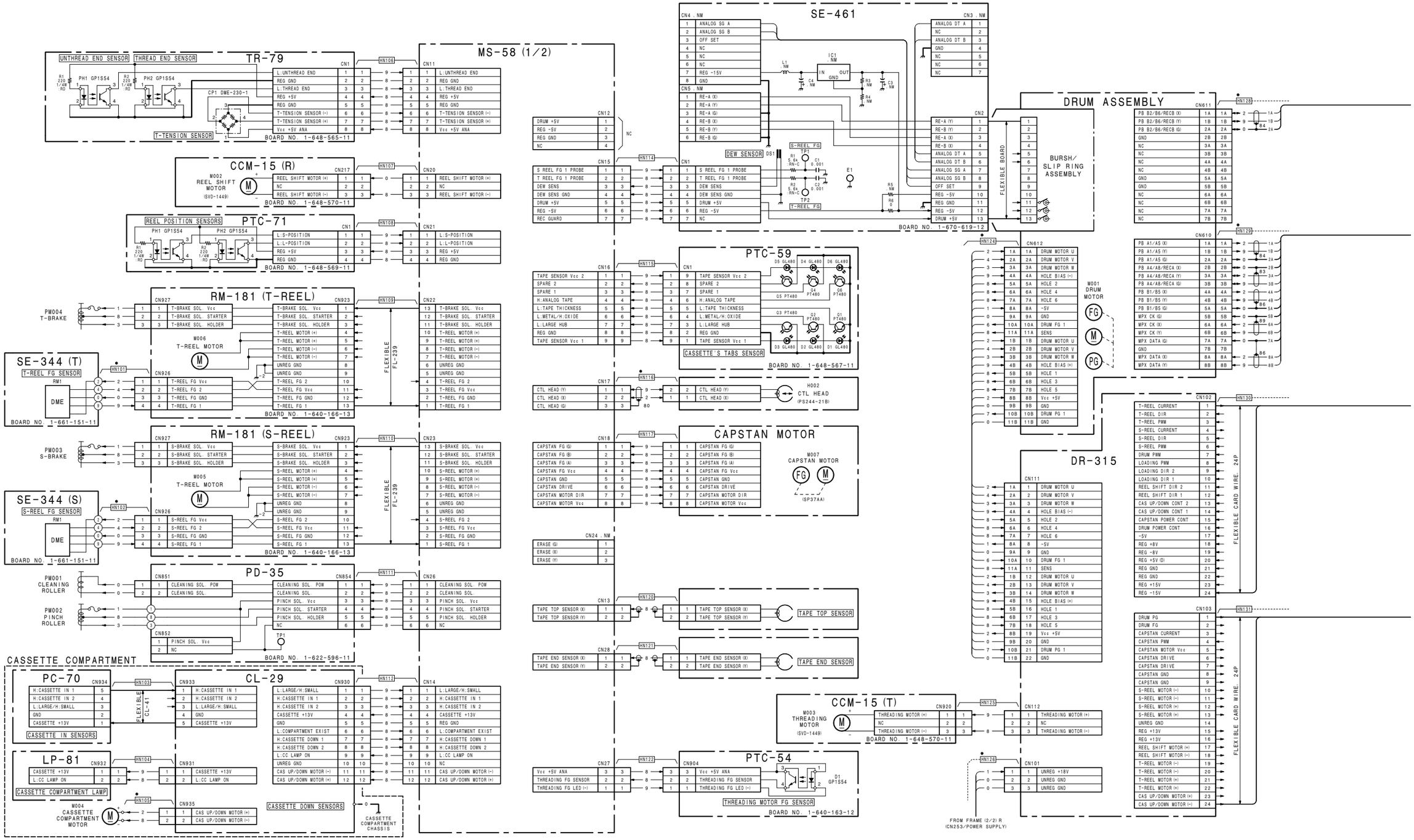




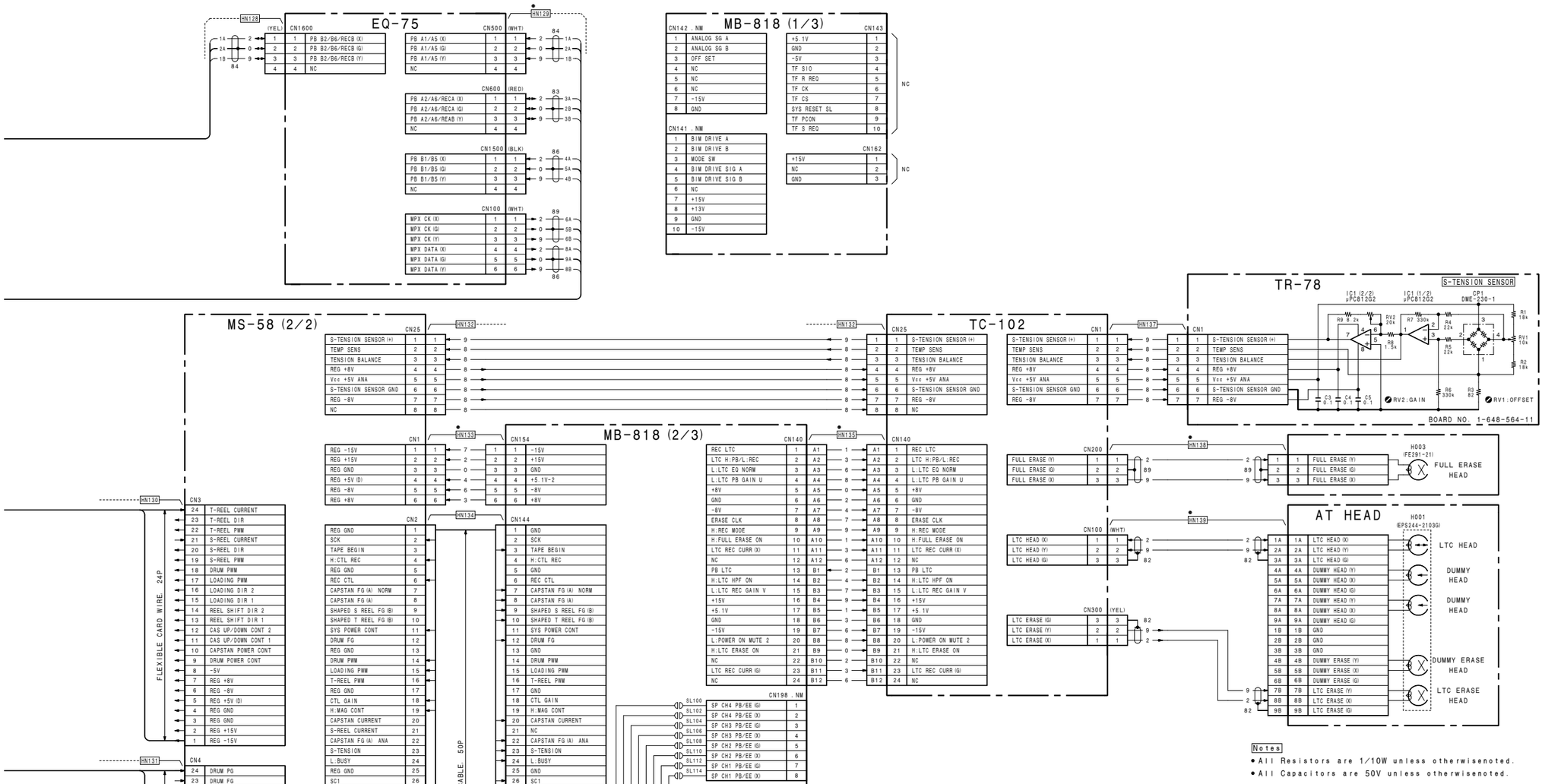
Switching Regulator

Part No. 1-468-345-11

FRAME WIRING (1/2) DNW-75/75P



FRAME WIRING (1/2) DNW-75/75P



FRAME WIRING (1/2)
LOT NO. 905-
DNW-75/75P

FRAME WIRING (2/2) DNW-75/75P

Notes
- All Resistors are 1/4W unless otherwise noted.
- All Capacitors are 50V unless otherwise noted.
- FL1005 through FL1011 are not equipped in J model.

SWC-35

CN30	
GND	1
GND	2
+8V	3
SCAN 6	4
KEY IN 0	5
KEY IN 1	6
KEY IN 2	7
KEY IN 3	8
KEY IN 4	9
KEY IN 5	10
KEY IN 6	11
KEY IN 7	12
LED OUT 0	13
LED OUT 1	14
LED OUT 2	15
LED OUT 3	16
LED OUT 4	17
LED OUT 5	18
LED OUT 6	19
LED OUT 7	20
SCAN 0	21
SCAN 1	22
SCAN 2	23
SCAN 3	24
SCAN 4	25
+5V	26

HN201 — FLAT CABLE, 26P (ONE SIDE BOARD IN TYPE) — UPPER CONTROL PANEL

FP-117

CN30		CN224	CN520
1	GND	GND	1 1 GND
2	GND	+5V	2 2 +5V
3	+8V	KEY IN 0	3 3 KEY IN 0
4	SCAN 6	KEY IN 1	4 4 KEY IN 1
5	KEY IN 0	KEY IN 2	5 5 KEY IN 2
6	KEY IN 1	KEY IN 3	6 6 KEY IN 3
7	KEY IN 2	KEY IN 4	7 7 KEY IN 4
8	KEY IN 3	KEY IN 5	8 8 KEY IN 5
9	KEY IN 4	KEY IN 6	9 9 KEY IN 6
10	KEY IN 5	KEY IN 7	10 10 KEY IN 7
11	KEY IN 6	SCAN 3	11 11 SCAN 3
12	KEY IN 7	SW	12 12 SW
13	LED OUT 0	AGND	13 13 AGND
14	LED OUT 1	AGND	14 14 AGND
15	LED OUT 2	+15V	15 15 +15V
16	LED OUT 3	-15V	16 16 -15V
17	LED OUT 4	CH-1 PB GAIN	17 17 CH-1 PB GAIN
18	LED OUT 5	CH-2 PB GAIN	18 18 CH-2 PB GAIN
19	LED OUT 6	CH-3 PB GAIN	19 19 CH-3 PB GAIN
20	LED OUT 7	CH-4 PB GAIN	20 20 CH-4 PB GAIN
21	SCAN 0	SCAN 6	21 21 SCAN 6
22	SCAN 1	PB GAIN GND	22 22 PB GAIN GND
23	SCAN 2	CH-1 REC GAIN	23 23 CH-1 REC GAIN
24	SCAN 3	CH-2 REC GAIN	24 24 CH-2 REC GAIN
25	SCAN 4	CH-3 REC GAIN	25 25 CH-3 REC GAIN
26	+5V	CH-4 REC GAIN	26 26 CH-4 REC GAIN
		INPUT VIDEO LEVEL	27 27 INPUT VIDEO LEVEL
		REC GAIN GND	28 28 REC GAIN GND
		REF +5V	29 29 REF +5V
		L:POWER ON MUTE 2	30 30 L:POWER ON MUTE 2

VR-224

CN523			CN511
CH-1 REC GAIN	1	1	1 CH-1 REC GAIN
CH-2 REC GAIN	2	2	2 CH-2 REC GAIN
CH-3 REC GAIN	3	3	3 CH-3 REC GAIN
CH-4 REC GAIN	4	4	4 CH-4 REC GAIN
INPUT VIDEO LEVEL	5	5	5 INPUT VIDEO LEVEL
REC GAIN GND	6	6	6 REC GAIN GND
REF +5V	7	7	7 REF +5V
SCAN 3	8	8	8 SCAN 3
KEY IN 3	9	9	9 KEY IN 3
KEY IN 2	10	10	10 KEY IN 2
KEY IN 1	11	11	11 KEY IN 1
KEY IN 0	12	12	12 KEY IN 0
+5V	13	13	13 +5V
GND	14	14	14 GND
SCAN 6	15	15	15 SCAN 6

HN205

CN522			CN510
L.POWER ON MUTE 2	1	1	1 L.POWER ON MUTE 2
-15V	2	2	2 -15V
-15V	3	3	3 -15V
+15V	4	4	4 +15V
+15V	5	5	5 +15V
AGND	6	6	6 AGND
AGND	7	7	7 AGND

HN206

J1 PHONE — L (X), R (X), 3

RV6 PHONE LEVEL

RV5 COMPOSITE VIDEO INPUT LEVEL

JW1 — CHASSIS GND

AUDIO PB LEVEL — RV1 CH-1, RV2 CH-2, RV3 CH-3, RV4 CH-4

AUDIO REC LEVEL — RV1 CH-1, RV2 CH-2, RV3 CH-3, RV4 CH-4

VR-223

CN512			FL1005	HN208	FL1006	CN189
MONI L (X)	1	1	9 86	9	86 9	8 HP L (X)
MONI L (G)	2	2				7 HP L (G)
MONI L VAR (X)	3	3	9 84	9	84 9	6 HP L VAL (X)
MONI L VAR (G)	4	4				5 HP L VAL (G)
MONI R (X)	5	5	9 82	9	82 9	4 HP R (X)
MONI R (G)	6	6				3 HP R (G)
MONI R VAR (X)	7	7	9 80	9	80 9	2 HP R VAL (X)
MONI R VAR (G)	8	8				1 HP R VAL (G)

HN204

CN147	
40	GND
39	GND
38	+8V
37	+8V
36	+5.1V
35	+5.1V
34	SIF1 RDY
33	SIF1 CK
32	SIF1 CMD
31	SIF1 RES
30	L:SYS RESET 5V L
29	SIF1 FPCS
28	SIF2 RDY
27	SIF2 CMD
26	SIF2 RES
25	SIF2 CK
24	SIF2 FLCS
23	L:POWER ON MUTE 2
22	GND
21	SC CONT (REM)
20	SYNC CONT (REM)
19	CHROMA PHASE CONT (REM)
18	Y/C DELAY CONT (REM)
17	SETUP CONT (REM)
16	CHROMA LEVEL CONT (REM)
15	VIDEO LEVEL CONT (REM)
14	GND
13	GND
12	GND
11	GND
10	GND
9	GND
8	GND
7	GND
6	-15V
5	-15V
4	+15V
3	+15V
2	GND
1	GND

FLAT CABLE, 40P (ONE SIDE BOARD IN TYPE)

(MB-818)

CN171			HN210	CN171
B-Y DEC (G)	1	1	9	1 1 B-Y DEC (G)
B-Y DEC (X)	2	2	9	2 2 B-Y DEC (X)
R-Y DEC (G)	3	3	9	3 3 R-Y DEC (G)
R-Y DEC (X)	4	4	9	4 4 R-Y DEC (X)
Y DEC (G)	5	5	9	5 5 Y DEC (G)
Y DEC (X)	6	6	9	6 6 Y DEC (X)
REF CONT 1	7	7	8	7 7 REF CONT 1
REF CONT 0	8	8	8	8 8 REF CONT 0
NC	9	9	8	9 9 NC
NC	10	10	8	10 10 NC
INPUT VIDEO (G)	11	11	8	11 11 INPUT VIDEO (G)
INPUT VIDEO (X)	12	12	9	12 12 INPUT VIDEO (X)
REF INPUT (G)	13	13	9	13 13 INPUT REF VIDEO (G)
REF INPUT (X)	14	14	9	14 14 INPUT REF VIDEO (X)

CN172			HN211	CN172
+8V-2	1	1	9	1 1 REG +8V-2
GND	2	2	8	2 2 GND-2
GND	3	3	8	3 3 GND-2
-8V	4	4	8	4 4 REG -8V-2

CP-334

VIDEO INPUT — REF (CN1, (THUR-OUT)), COMPOSITE (CN2, (THUR-OUT)), COMPONENT (CN3, Y, R-Y, B-Y)

VIDEO OUTPUT — COMPOSITE (CN4, 1, 2, 3 (SUPER)), COMPONENT (CN5, Y, R-Y, B-Y)

CN190			FL1009	HN212	CN191
CH4 LINE (G)	1	82	82 9	9	1 1 NC
CH4 LINE (Y)	2		9 2	9	2 2 CH4 LINE (G)
CH4 LINE (X)	3			9	3 3 CH4 LINE (Y)
CH3 LINE (G)	4	84	84 9	9	4 4 CH4 LINE (X)
CH3 LINE (Y)	5		9 2	9	5 5 CH3 LINE (G)
CH3 LINE (X)	6			9	6 6 CH3 LINE (Y)
CH2 LINE (G)	7	86	86 9	9	7 7 CH3 LINE (X)
CH2 LINE (Y)	8		9 2	9	8 8 CH2 LINE (G)
CH2 LINE (X)	9			9	9 9 CH2 LINE (Y)
CH1 LINE (G)	10	80	80 9	9	10 10 CH2 LINE (X)
CH1 LINE (Y)	11		9 2	9	11 11 CH1 LINE (G)
CH1 LINE (X)	12			9	12 12 CH1 LINE (Y)
NC	13			9	13 13 CH1 LINE (X)

CN192			HN213	CN192
CH-1 OUT (X)	1		9	1 1 CH-1 OUT (X)
CH-1 OUT (Y)	2		9 2	2 2 CH-1 OUT (Y)
CH-1 OUT (G)	3			3 3 CH-1 OUT (G)
CH-2 OUT (X)	4		9	4 4 CH-2 OUT (X)
CH-2 OUT (Y)	5		9 2	5 5 CH-2 OUT (Y)
CH-2 OUT (G)	6			6 6 CH-2 OUT (G)
CH-3 OUT (X)	7		9	7 7 CH-3 OUT (X)
CH-3 OUT (Y)	8		9 2	8 8 CH-3 OUT (Y)
CH-3 OUT (G)	9			9 9 CH-3 OUT (G)
CH-4 OUT (X)	10		9	10 10 CH-4 OUT (X)
CH-4 OUT (Y)	11		9 2	11 11 CH-4 OUT (Y)
CH-4 OUT (G)	12		FL1010	12 12 CH-4 OUT (G)

CN193		HN214	CN193
CH-1 MIC ON/OFF	1	9	1 1 CH-1 MIC ON/OFF
CH-2 MIC ON/OFF	2	8	2 2 CH-2 MIC ON/OFF
CH-3 MIC ON/OFF	3	8	3 3 CH-3 MIC ON/OFF
CH-4 MIC ON/OFF	4	8	4 4 CH-4 MIC ON/OFF
GND	5	8	5 5 GND

CN197		HN215	CN197
+8V	1	9	1 1 +8V
GND	2	8	2 2 GND
GND	3	8	3 3 GND
+5.1V	4	8	4 4 +5V
-8V	5	8	5 5 -8V
AES I 3/4 (X)	6	9	6 6 AES I 3/4 (X)
AES I 3/4 (G)	7	9	7 7 AES I 3/4 (G)
AES I 1/2 (X)	8	9	8 8 AES I 1/2 (X)
AES I 1/2 (G)	9	9	9 9 AES I 1/2 (G)

CN196		HN216	CN196
AES O 1/2 (X)	1	9	1 1 AES O 1/2 (X)
AES O 1/2 (G)	2	9	2 2 AES O 1/2 (G)
AES O 3/4 (X)	3	9	3 3 AES O 3/4 (X)
AES O 3/4 (G)	4	9	4 4 AES O 3/4 (G)

CN195		HN217	CN195
+5.1V	1	9	1 1 +5V
GND	2	8	2 2 GND
-8V	3	8	3 3 -8V
LTC OUT	4	8	4 4 LTC OUT
L:LTC EQ ON	5	8	5 5 L:LTC EQ ON
LTC SOURCE	6	8	6 6 LTC SOURCE

CP-278

AUDIO INPUT — CH1, CH2, CH3, CH4 — CN100, CN300

AUDIO OUTPUT — CH1, CH2, CH3, CH4 — CN101, CN301 — (ANALOG AUDIO)

CP-335

AES/EBU INPUT — CH1/2, CH3/4 — CN101, CN102

AES/EBU OUTPUT — CH1/2, CH3/4 — CN3, CN53 — (DIGITAL AUDIO)

CP-301

TIME CODE — IN, OUT — CN200, CN201

MONITOR OUTPUT — R, L — CN101

SWC-31

CN31			CN31
GND	1	1	GND
GND	2	2	GND
+5V	3	3	+5V
+5V	4	4	+5V
KEY IN 0	5	5	KEY IN 0
KEY IN 1	6	6	KEY IN 1
KEY IN 2	7	7	KEY IN 2
KEY IN 3	8	8	KEY IN 3
KEY IN 4	9	9	KEY IN 4
KEY IN 5	10	10	KEY IN 5
KEY IN 6	11	11	KEY IN 6
KEY IN 7	12	12	KEY IN 7
SCAN 4	13	13	SCAN 4
SCAN 5	14	14	SCAN 5
ADC0	15	15	ADC0
ADC1	16	16	ADC1
ADC2	17	17	ADC2
NC	18	18	NC
AD CNT0	19	19	AD CNT0
AD CNT1	20	20	AD CNT1
H:LOCAL/L:REMOTE	21	21	H:LOCAL/L:REMOTE
INPUT VIDEO LEVEL	22	22	INPUT VIDEO LEVEL
REM VIDEO LEVEL	23	23	REM VIDEO LEVEL
REM CHROMA LEVEL	24	24	REM CHROMA LEVEL
REM SETUP/BLACK LEVEL	25	25	REM SETUP/BLACK LEVEL
REM Y/C DELAY	26	26	REM Y/C DELAY
REM CHROMA PHASE	27	27	REM CHROMA PHASE
REM SYNC PHASE	28	28	REM SYNC PHASE
REM SC PHASE	29	29	REM SC PHASE
NC	30	30	NC
REF +12V	31	31	REF +12V
REF +12V	32	32	REF +12V
AGND	33	33	AGND
AGND	34	34	AGND

HN202 — FLAT CABLE, 34P (ONE SIDE BOARD IN TYPE) — SUB CONTROL PANEL

LEVEL METERS (DP-175)

CN175			HN203	CN175
+15V	1	1	9	1 1 +15V
AGND	2	2	8	2 2 AGND
+5V	3	3	8	3 3 +5V
GND	4	4	8	4 4 GND
L.CS	5	5	8	5 5 SIF2 FLCS
SCK	6	6	8	6 6 SIF2 CMD
RES	7	7	8	7 7 SIF2 RES
CMD	8	8	8	8 8 SIF2 CK
RDY	9	9	8	9 9 SIF2 RDY
SW	10	10	8	10 10 SW

FL1003 FL1004

PTC-69

DME1 DM-211A — IC1 (2/2) μPC4558C — IC2 (2/2) LM2903P — RV2: DIAL B DUTY

IC1 (1/2) μPC4558C — IC2 (1/2) LM2903P — RV1: DIAL A DUTY

IC3 GP1A53HR — Q1 DTC144ES — IC4 GP1A52HR — IC5 GP1A52HR — SERACH DIAL

CN1		HN207	CN69
+5V	1	9	1 1 +5V
DIAL A	2	8	2 2 DIAL A
DIAL B	3	8	3 3 DIAL B
DIAL STILL	4	8	4 4 DIAL STILL
H:JOG/L:SHUTTLE	5	8	5 5 H:JOG/L:SHUTTLE
GND	6	8	6 6 GND
DIAL MODE	7	8	7 7 DIAL MODE
DIAL SOL. HOLDER	8	8	8 8 DIAL SOL. HOLDER
DIAL SOL. STARTER	9	8	9 9 DIAL SOL. STARTER
DIAL SOL. +8V	10	8	10 10 DIAL SOL. +8V

CN2		
DIAL SOL. +8V	1	1
DIAL SOL. STARTER	2	2
DIAL SOL. HOLDER	3	3

PM005 DIAL

BOARD NO. 1-648-568-11.12

KY-438

CN145		HN209	CN145
GND	1		1 GND
GND	2		2 GND
+8V	3		3 +8V-L101
+8V	4		4 +8V-L101
Key TX (+)	5		5 Key TX (+)
GND	6		6 GND
Key TX (-)	7		7 Key TX (-)
GND	8		8 GND
REG +8V	9		9 +8V-L102
GND	10		10 GND
GND	11		11 GND
GND	12		12 GND
+8V	13		13 +8V-L101
+8V	14		14 +8V-L101
Key RX (+)	15		15 Key RX (+)
GND	16		16 GND
Key RX (-)	17		17 Key RX (-)
KY ADDRESS	18		18 KY ADDRESS
REG +8V	19		19 +8V-L102
GND	20		20 GND

FL1001 FL1008 — FLAT CABLE, 20P

TIME DATA DISPLAY

LOWER CONTROL PANEL

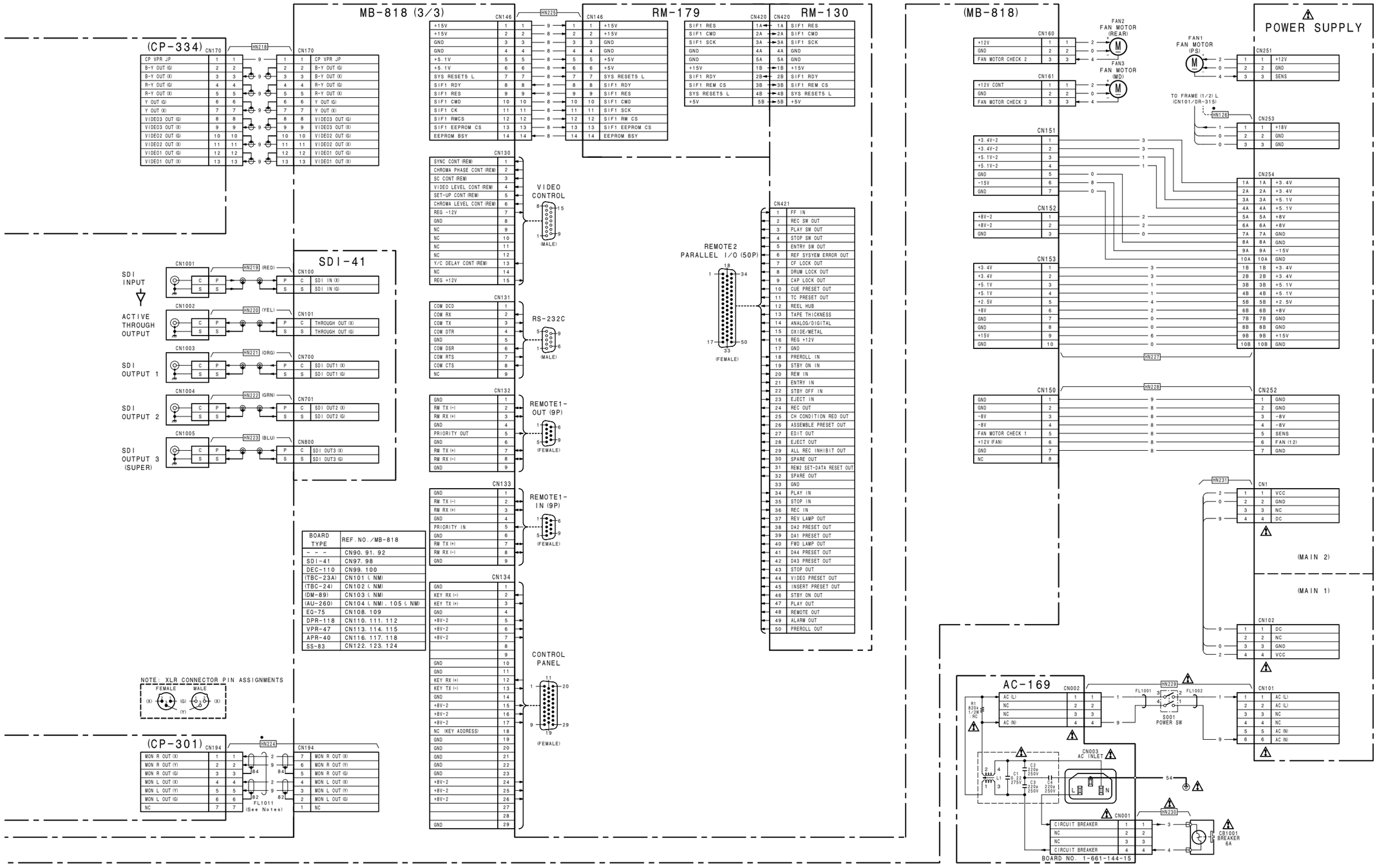
CN147	
GND	40
GND	39
+8V	38
+8V	37
+5.1V (+5V)	36
+5.1V (+5V)	35
SIF1 RDY	34
SIF1 CK	33
SIF1 CMD	32
SIF1 RES	31
L:SYS RESET 5V L	30
SIF1 FPCS	29
SIF2 RDY	28
SIF2 CMD	27
SIF2 RES	26
SIF2 CK	25
SIF2 FLCS	24
L:POWER ON MUTE 2	23
GND (NC)	22
SC CONT (REM)	21
SYNC CONT (REM)	20
CHROMA PHASE CONT (REM)	19
Y/C DELAY CONT (REM)	18
SETUP CONT (REM)	17
CHROMA LEVEL CONT (REM)	16
VIDEO LEVEL CONT (REM)	15
GND (NC)	14
GND (NC)	13
GND	12
GND	11
GND	10
GND	9
GND	8
GND	7
-15V	6
-15V	5
+15V	4
+15V	3
GND	2
GND	1

HN204 — FLAT CABLE, 40P (ONE SIDE BOARD IN TYPE)

LA501 — CHASSIS GND

3-220

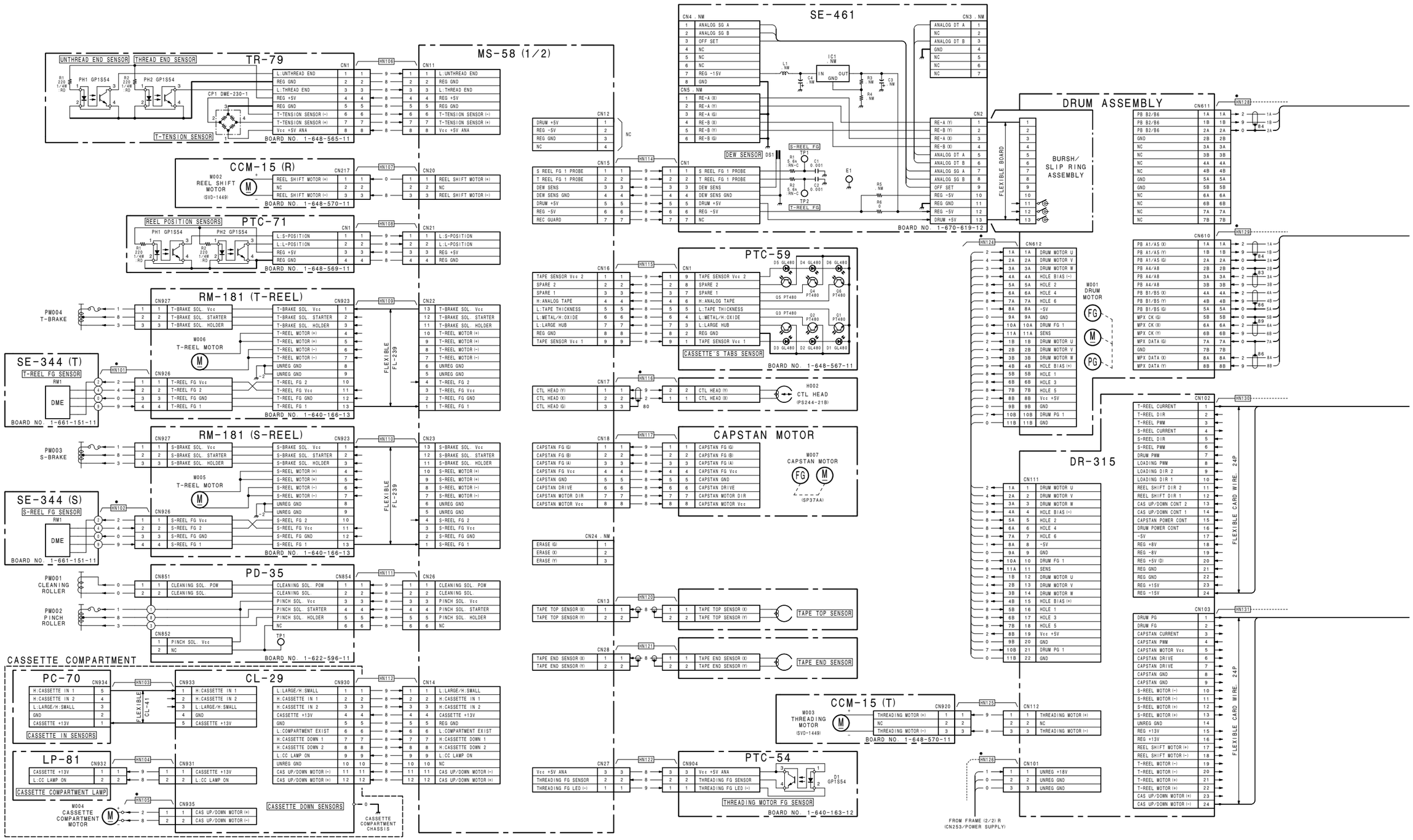
FRAME WIRING (2/2) DNW-75/75P



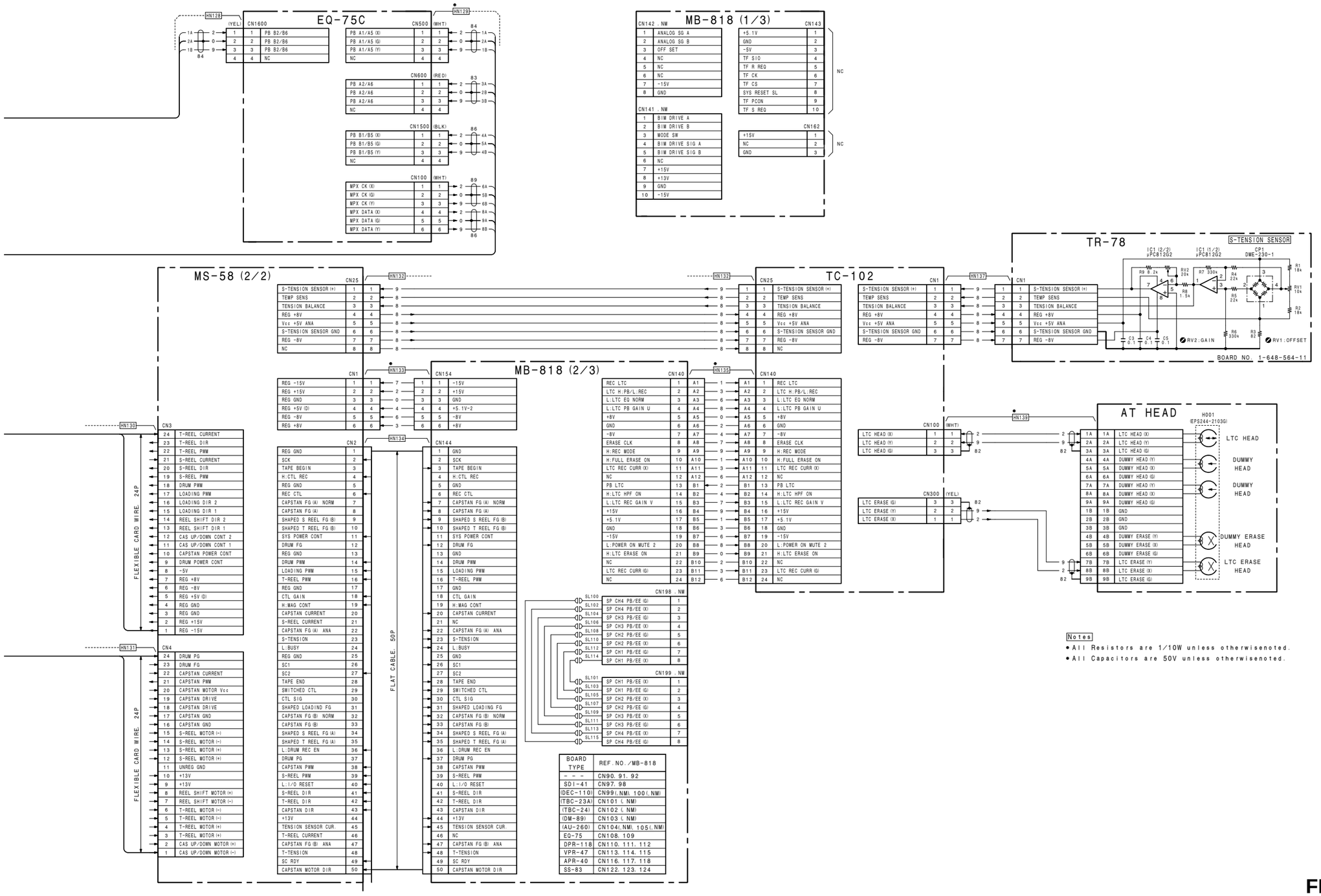
FRAME WIRING (2/2)

LOT NO. 905-
DNW-75/75P

FRAME WIRING (1/2) DNW-65/65P



FRAME WIRING (1/2) DNW-65/65P



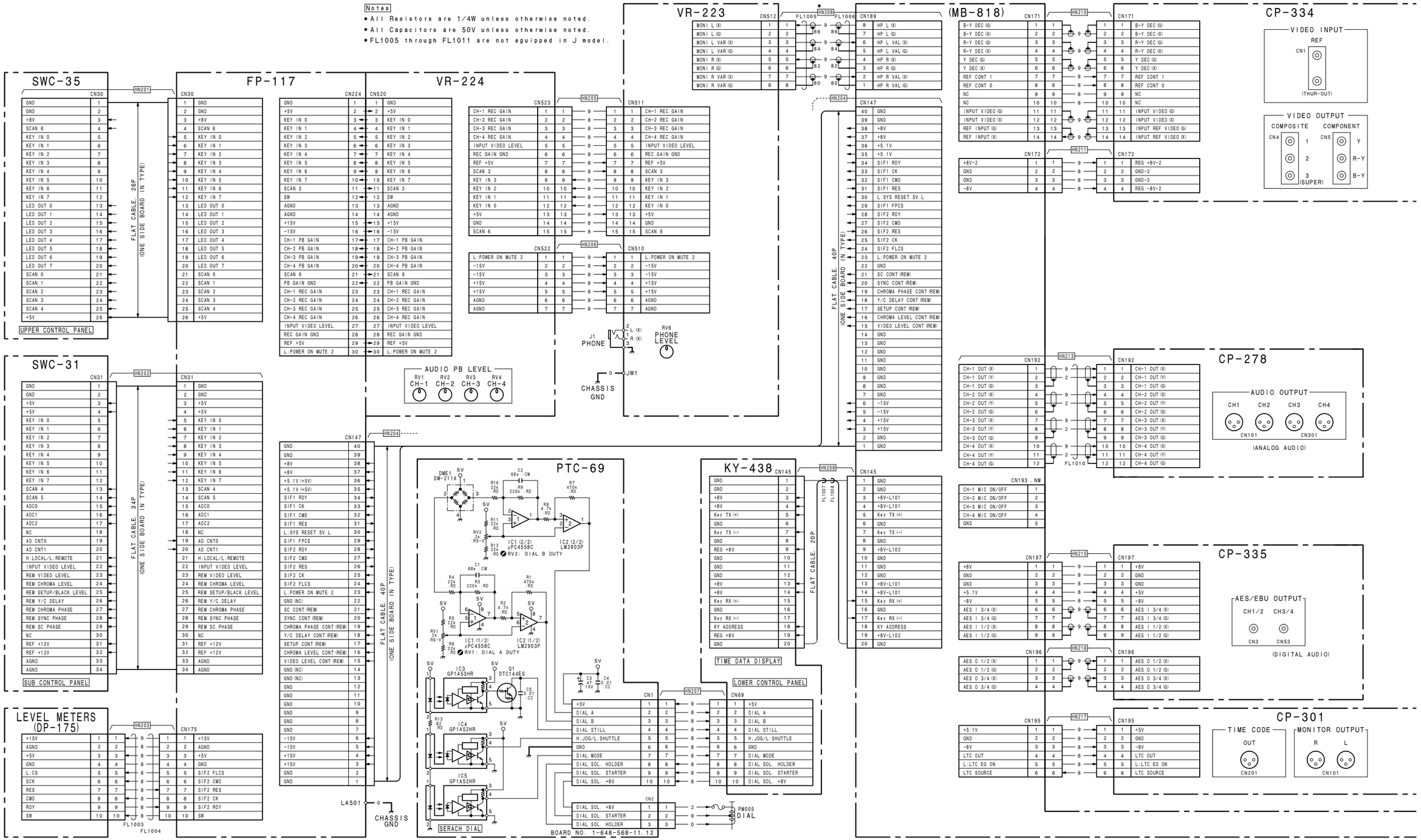
BOARD TYPE	REF. NO./MB-818
- - -	CN90. 91. 92
SDI-41	CN97. 98
(DEC-110)	CN99(.NW). 100(.NW)
(TBC-23A)	CN101 (.NW)
(TBC-24)	CN102 (.NW)
(DM-89)	CN103 (.NW)
(AU-260)	CN104(.NW). 105(.NW)
EQ-75	CN108. 109
DPR-118	CN110. 111. 112
VPR-47	CN113. 114. 115
APR-40	CN116. 117. 118
SS-83	CN122. 123. 124

Notes
- All Resistors are 1/10W unless otherwisenoted.
- All Capacitors are 50V unless otherwisenoted.

FRAME WIRING (1/2)
LOT NO. 905-
DNW-65/65P

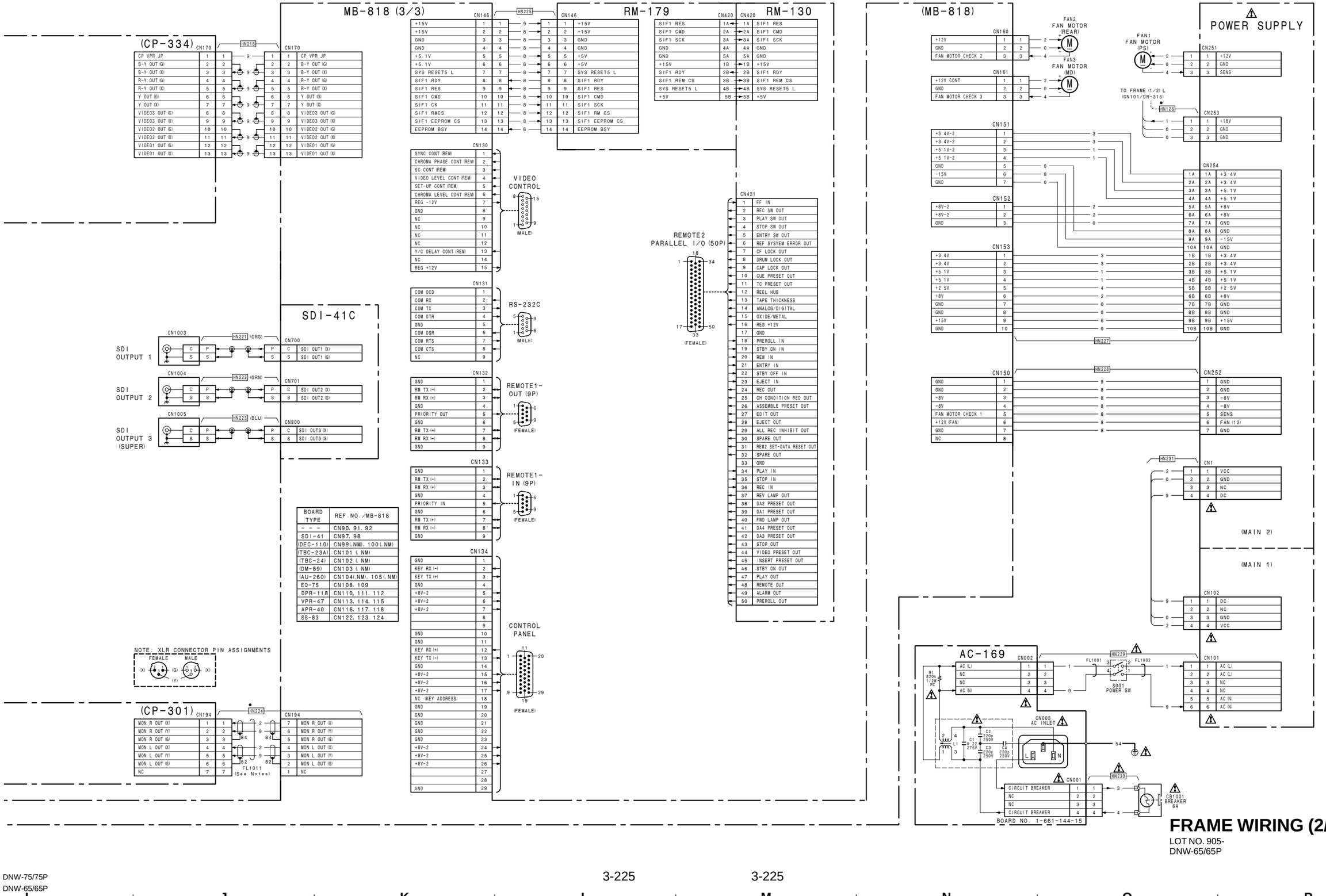
FRAME WIRING (2/2) DNW-65/65P

Notes
- All Resistors are 1/4W unless otherwise noted.
- All Capacitors are 50V unless otherwise noted.
- FL1005 through FL1011 are not eguipped in J model.



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FRAME WIRING (2/2) DNW-65/65P



FRAME WIRING (2/2)

LOT NO. 905-
DNW-65/65P

Section 4
Board Layouts

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Circuit Function

System configuration	Board name	Circuit function	Page
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	*1 DPR-118C	For DNW-65/65P: Digital data processor (Audio/Video processor)	4-23
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	DEC-110	Analog composite decoder (for DNW-75/75P only)	4-16
Audio process	*1 APR-40	For DNW-75/75P: Audio signal processor, AES/EBU interface	4-4
	*1 APR-40C	For DNW-65/65P: Audio signal processor, AES/EBU output interface	4-9
RF process	EQ-75	For DNW-75/75P: RF equalizer (REC current control, PB EQ, Inner error correction)	4-28
	EQ-75C	For DNW-65/65P: RF equalizer (PB EQ, Inner error correction)	4-30
System/servo control	*1 SS-83	System control, Servo control	4-51
	*1 MS-58	Solenoids driver (Pinch, Brakes, Cleaning), Sensors input	4-40
	*1 DR-315	Motors driver (Drum, Capstan, Reels, Threading, Reel shift, Cassette up/down)	4-27
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		For DNW-65/65P: TC PB circuit, Shot-mark REC circuit, TC erase OSC	
Mech. deck driver/sensor	*1 SE-461	Connection board with Condensation sensor	4-50
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	CCM-15	Threading motor	—
	CCM-15	Reel shift motor	—
	PD-35	Pinch solenoid connection, Tape end sensor connection	4-43
	TR-79	T tension sensor, Threading-end and Unthreading-end sensors	4-57
	PTC-59	Cassette's holes sensor	4-43
	RM-181	T reel motor	—
	SE-344	T reel FG	—
	RM-181	S reel motor	—
	SE-344	S reel FG	—
	PTC-71	Reel position sensors	4-43
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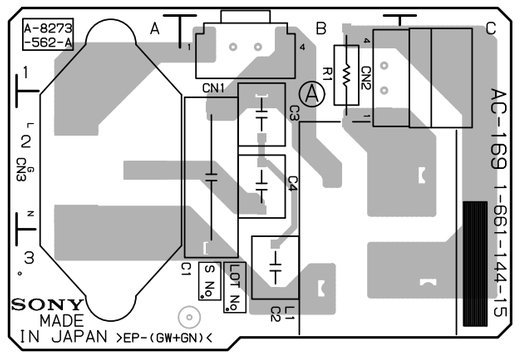
*1: The full name of each mounted board is as follows :

Model name	DPR-118C	VPR-47	APR-40	APR-40C	SS-83	MS-58	DR-315	TC-102	SE-461
DNW-75 (J)	—	VPR-47	APR-40E	—	SS-83E	MS-58E	DR-315K	TC-102	SE-461E
DNW-75 (SY)	—	VPR-47	APR-40E	—	SS-83E	MS-58E	DR-315K	TC-102	SE-461E
DNW-75P (SY)	—	VPR-47P	APR-40E	—	SS-83E	MS-58E	DR-315K	TC-102	SE-461E
DNW-65 (J)	DPR-118F	VPR-47	—	APR-40F	SS-83E	MS-58E	DR-315K	TC-102C	SE-461E
DNW-65 (SY)	DPR-118F	VPR-47	—	APR-40F	SS-83E	MS-58E	DR-315K	TC-102C	SE-461E
DNW-65P (SY)	DPR-118F	VPR-47P	—	APR-40F	SS-83E	MS-58E	DR-315K	TC-102C	SE-461E

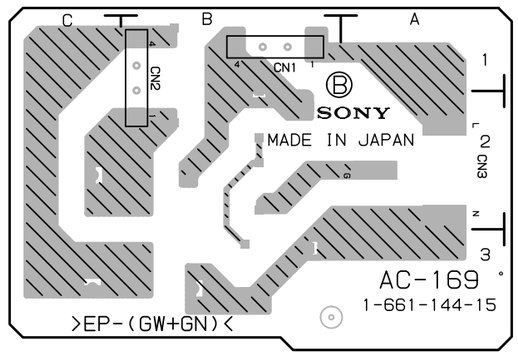
System configuration	Board name	Circuit function	Page
Cassette compartment	CL-29	Cassette up/down motor, Cassette down sensors	4-12
	LP-81	Lamp of cassette compartment	4-37
	PC-70	Cassette-in sensors, Cassette size sensor	4-42
Front panel	FP-117	Panel function (Switches, LEDs) control, CAV control level conversion	4-33
	*2 VR-223	For DNW-75/75P: Audio REC level VRs, Video input level VR, Phone level VR, Phone connector	4-62
		For DNW-65/65P: Phone level VR, Phone connector	
	*2 VR-224	Audio PB level VRs	4-62
	*2 SWC-35	Upper control panel function (Switches, LEDs)	4-55
	*2 SWC-31	Sub control panel function	4-54
	*2 KY-438	Lower control panel function	4-34
	PTC-69	Search dial sensor, Dial solenoid connection	4-43
Motherboard, connector panel	*2 MB-818	Motherboard, Remote control connectors (REMOTE1 (9P), RS-232C, VIDEO CONTROL, CONTROL PANEL)	4-38
	*2 CP-334	For DNW-75/75P: Connector board (Analog video) with input/output buffer	4-15
		For DNW-65/65P: Connector board (Analog video) with output buffer	
	*2 CP-278	For DNW-75/75P: Connector board (Analog audio input/output)	4-13
		For DNW-65/65P: Connector board (Analog audio output)	
	*2 CP-335	For DNW-75/75P: Connector board (AES/EBU input/output)	4-15
		For DNW-65/65P: Connector board (AES/EBU output)	
	*2 CP-301	For DNW-75/75P: Connector board (TC input/output, MONITOR output)	4-13
		For DNW-65/65P: Connector board (TC output, MONITOR output)	
	RM-130	Parallel (50-pin) remote interface, Remote control connector [REMOTE 2 PARALLEL (50P)]	4-45
	RM-179	NV-RAM for Parallel (50-pin) remote interface	4-45
Power	*2 AC-169	AC connector board with Breaker	4-3
	PS unit	Switching regulator (PS=Power supply)	—

*2: The full name of each mounted board is as follows :

Model name	VR-223	VR-224	SWC-35	SWC-31	KY-438	MB-818	CP-334	CP-278	CP-335	CP-301	AC-169
DNW-75 (J)	VR-223K	VR-224K	SWC-35	SWC-31M	KY-438	MB-818E	CP-334	CP-278KJ	CP-335	CP-301KJ	AC-169K
DNW-75 (SY)	VR-223K	VR-224K	SWC-35	SWC-31M	KY-438	MB-818E	CP-334	CP-278K	CP-335	CP-301K	AC-169K
DNW-75P (SY)	VR-223K	VR-224K	SWC-35	SWC-31M	KY-438	MB-818E	CP-334	CP-278K	CP-335	CP-301KP	AC-169K
DNW-65 (J)	VR-223L	VR-224K	SWC-35C	SWC-31N	KY-438C	MB-818F	CP-334C	CP-278LJ	CP-335C	CP-301LJ	AC-169K
DNW-65 (SY)	VR-223L	VR-224K	SWC-35C	SWC-31N	KY-438C	MB-818F	CP-334C	CP-278L	CP-335C	CP-301L	AC-169K
DNW-65P (SY)	VR-223L	VR-224K	SWC-35C	SWC-31N	KY-438C	MB-818F	CP-334C	CP-278L	CP-335C	CP-301LP	AC-169K



AC-169 -A SIDE-
SUFFIX: -15



AC-169 -B SIDE-
SUFFIX: -15

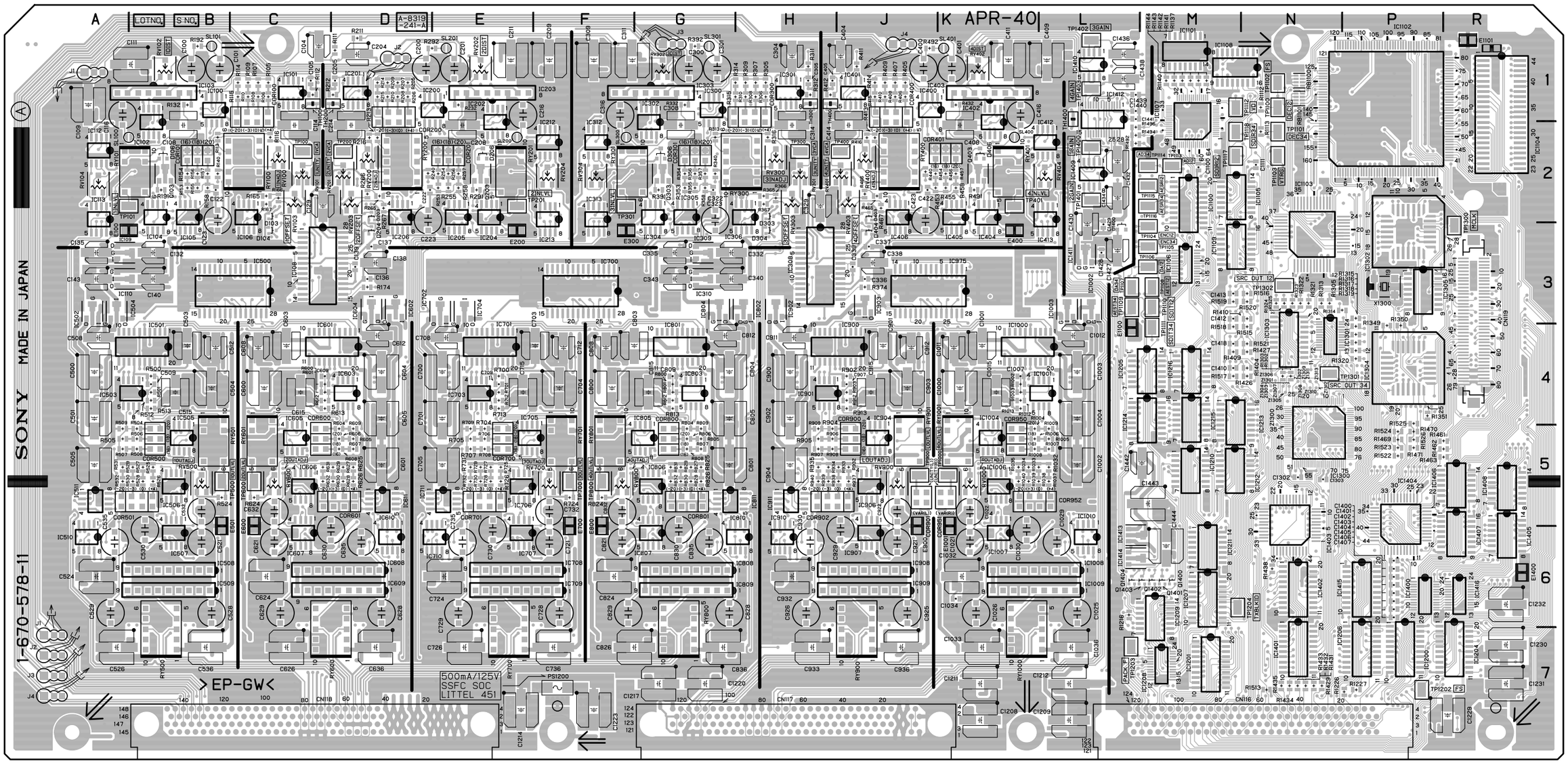
AC-169 (1-661-144-15)

C1	B2
C2	B3
C3	B2
C4	B2
CN1	B1
CN2	B1
CN3	A2
L1	B3
R1	B1

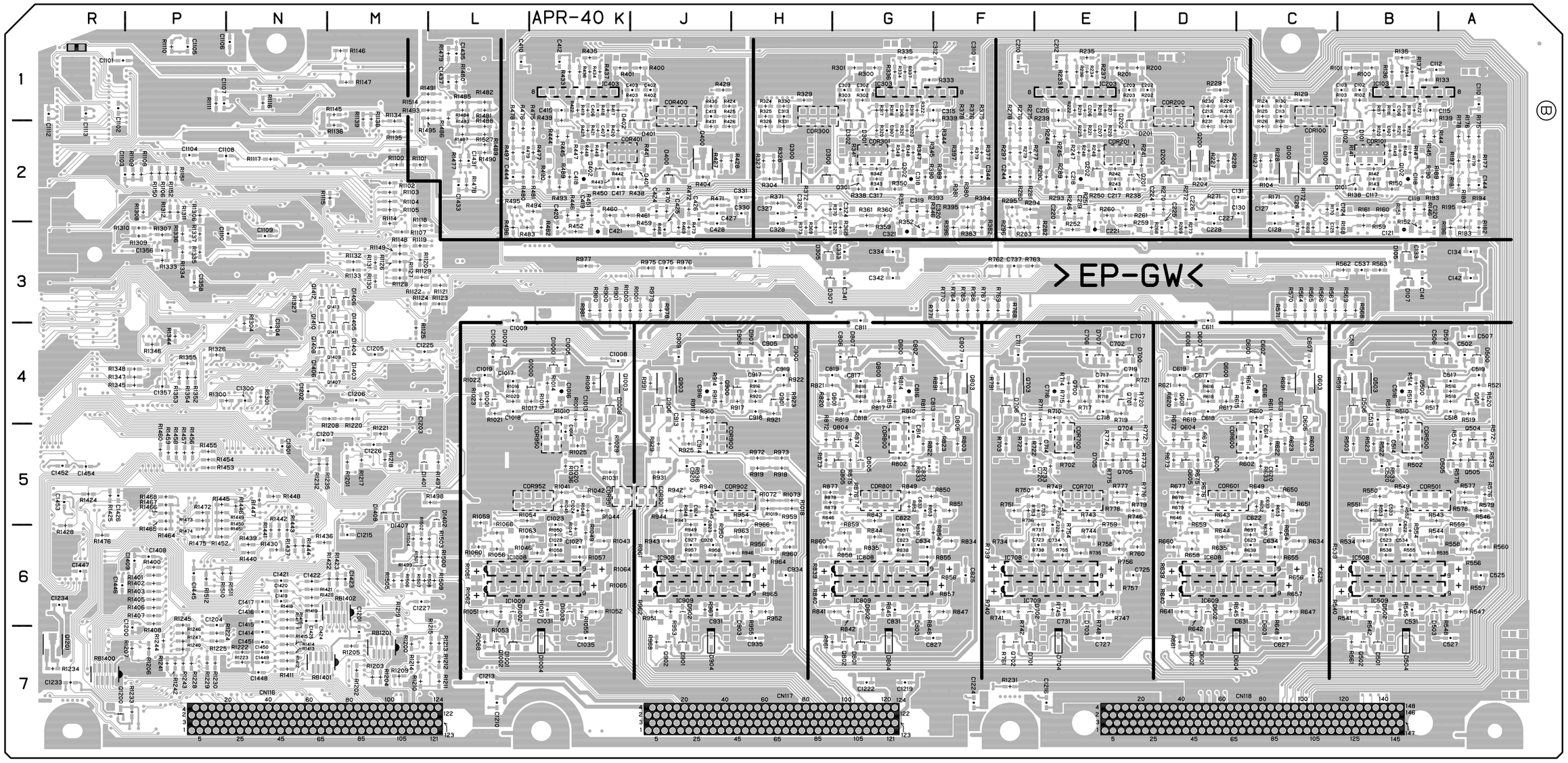
APR-40 (1-670-578-11)

C100	B1	C318	*G2	C537	*B3	C820	*G5	C1103	*P2	C1443	M5	D800	*G4	IC505	B4	IC1305	P3	R108	C1	R211	D1	R315	G1	R418	*K1	R522	*B5	R634	*C6	R756	*E6	R878	*H5	R1016	*L4
C101	B1	C319	*G2	C600	C4	C821	F6	C1104	*P2	C1444	M6	D801	*G7	IC506	B5	IC1400	P6	R109	C1	R212	D1	R316	H2	R419	*K1	R523	*B5	R635	*D6	R757	*E6	R879	*H5	R1017	*K4
C102	*B1	C320	*F3	C601	D5	C822	*G5	C1105	*P1	C1445	*P6	D802	*G6	IC507	B5	IC1401	N6	R110	C1	R213	D2	R317	*G1	R420	*K2	R524	B5	R636	*C6	R758	*E6	R891	*F4	R1018	*H5
C103	*B1	C321	*G3	C602	*C4	C823	*G6	C1106	*N1	C1446	*R6	D803	*G6	IC508	B6	IC1402	N6	R111	D1	R214	D1	R318	*G1	R421	*K2	R525	B5	R637	*C6	R759	*E6	R900	*K3	R1019	*H5
C104	C1	C322	G2	C603	C4	C824	F6	C1107	*P1	C1447	*R6	D804	*G7	IC509	B6	IC1403	N5	R112	C1	R215	D1	R319	*G1	R422	*K1	R526	B5	R638	*C6	R760	*D6	R901	*K3	R1020	*L4
C105	C1	C323	G2	C604	D4	C825	*F6	C1108	*N2	C1448	*N7	D805	*G5	IC510	A5	IC1404	P5	R113	B2	R216	D2	R320	*G2	R423	*K2	R527	B5	R639	*D6	R761	*F7	R902	J4	R1021	*L4
C106	*B1	C324	*G2	C605	D4	C826	F7	C1109	*N3	C1449	*N7	D806	*F4	IC511	A5	IC1405	R5	R114	C1	R217	*E1	R321	*G2	R424	*J1	R528	B5	R640	*D6	R762	*F3	R903	J4	R1022	*L4
C107	*B2	C325	*H3	C606	*D4	C827	*F7	C1110	*N3	C1450	*N7	D807	*G4	IC601	D4	IC1406	P5	R115	C1	R218	*E1	R322	*G1	R425	*J1	R529	B5	R641	*D6	R763	*F3	R904	H5	R1023	*L4
C108	B2	C326	*H2	C607	*C4	C828	G6	C1111	N2	C1451	*N7	D900	*H4	IC602	D3	IC1407	P5	R116	C2	R219	*E1	R323	*G2	R426	*J2	R530	B5	R642	*D6	R764	*F3	R905	H5	R1025	*K5
C109	A1	C327	*H2	C608	C4	C829	F6	C1112	*R1	C1452	*R5	D901	*J7	IC603	D4	IC1408	R5	R117	*B1	R220	*E2	R324	*H1	R427	*J2	R531	A5	R643	*D5	R765	*F3	R906	H5	R1029	*K5
C110	*A1	C328	*H3	C609	C4	C830	G6	C1113	*R1	C1453	*R5	D902	*J6	IC604	D3	IC1409	L2	R118	*B1	R221	*E2	R325	*H1	R428	*H2	R532	A5	R644	*D6	R766	*F3	R907	H5	R1031	*K5
C111	B1	C329	H2	C611	*D3	C831	*G6	C1200	*P7	C1454	*R5	D903	*H6	IC605	C4	IC1410	L1	R119	*B1	R222	*E1	R326	*H2	R429	*J1	R533	*B5	R645	*D6	R767	*F3	R908	H5	R1032	L5
C112	*B1	C330	*H2	C612	D4	C832	F5	C1201	*M7			D904	*J7	IC606	C5	IC1411	L3	R120	*B2	R223	*E2	R327	*H2	R430	*J1	R534	*B6	R646	*D5	R768	*F3	R909	H5	R1033	K5
C113	*C1	C331	*H2	C613	*C4	C833	*G5	C1202	*N4	CN116	N7	D906	*J4	IC607	C5	IC1412	L1	R121	*B2	R224	*D1	R328	*H2	R431	*J2	R535	*B6	R647	*C6	R769	*F3	R910	*J4	R1034	K5
C114	C2	C332	G3	C614	*C5	C834	*G6	C1203	*M4	CN117	H7	D907	*H4	IC608	D6	IC1413	L6	R122	*B1	R225	*D1	R329	*H1	R432	K1	R536	*B5	R648	*C6	R770	*F3	R911	*J4	R1035	K5
C115	*B1	C333	*G3	C615	C4	C835	G6	C1204	*P6	CN118	C7	D1000	*K4	IC609	D6	IC1414	L6	R123	*B2	R226	*D2	R330	*H1	R433	*K1	R537	*B6	R649	*C5	R771	*F3	R912	J4	R1036	*K5
C116	A1	C334	*G3	C616	*C4	C836	G7	C1205	*M4	CN119	R3	D1001	*L7	IC610	D5	IC1415	P6	R124	*C1	R227	*D2	R331	*H2	R434	*K1	R538	*B6	R650	*C5	R772	*D5	R913	J4	R1037	L5
C117	*B2	C335	G3	C617	*D4	C900	H4	C1206	*M4			D1002	*L6	IC611	D5	IC1416	R6	R125	*C1	R228	*D2	R332	G1	R435	*K1	R539	*B6	R651	*C5	R773	*D5	R914	*J4	R1038	K5
C118	*B2	C336	J3	C618	*D4	C901	J4	C1207	*N5	COR100	C1	D1003	*K6	IC700	F3			R126	*C2	R229	*D1	R333	*G1	R436	*K1	R540	*B6	R652	*C5	R774	*E5	R915	*J4	R1039	K5
C119	*B2	C337	J3	C619	*D4	C902	H4	C1208	K7	COR101	B2	D1004	*K7	IC701	E4	PS1200	F7	R127	*C2	R230	*D1	R334	*G1	R437	*K1	R541	*B6	R653	*C5	R775	*E5	R916	*H4	R1040	K5
C120	*B3	C338	J3	C620	*C5	C903	J4	C1209	L7	COR200	D1	D1006	*K4	IC702	E3			R128	*C2	R231	*D2	R335	*G1	R438	*J2	R542	*B6	R654	*C6	R776	*D5	R917	*H4	R1041	*K5
C121	*B3	C339	J3	C621	C6	C904	H5	C1210	*L7	COR201	E2	D1007	*L4	IC703	E4	Q100	*C2	R129	*C1	R232	E1	R336	*G1	R439	*K1	R543	*B5	R655	*C6	R777	*E5	R918	*H5	R1042	*K5
C122	B2	C340	G3	C622	*C5	C905	*H4	C1211	K7	COR300	H1	D1400	L3	IC704	E3	Q101	*B2	R130	*C1	R233	*E1	R337	*G1	R440	J2	R544	*B6	R656	*C6	R778	*E5	R919	*H5	R1043	*K6
C123	B2	C341	*G3	C623	*C6	C906	*H4	C1212	L7	COR301	G2	D1401	*M5	IC705	F4	Q102	*B2	R131	*C2	R234	*E1	R338	*G2	R441	*J2	R545	*B6	R657	*C6	R779	*E5	R920	*H4	R1044	*K5
C124	*B2	C342	*G3	C624	C6	C907	J4	C1213	*L7	COR400	J1	D1402	*L5	IC706	E5	Q103	B2	R132	B1	R235	*E1	R339	*F1	R442	*K2	R546	*A5	R658	*D6	R791	*F4	R921	*H4	R1045	*K5
C125	*C3	C343	G3	C625	*C6	C908	*H4	C1214	E7	COR401	K2	D1403	*M4	IC707	E5	Q200	*D2	R133	*B1	R236	*E1	R340	G2	R443	*K2	R547	*A6	R659	*D6	R800	G4	R922	*H4	R1046	*K6
C126	*C2	C344	*F2	C626	C7	C909	*J4	C1215	*M6	COR500	B5	D1404	*M4	IC708	F6	Q201	*E2	R134	*B1	R237	*E1	R341	*G2	R444	*K2	R548	*A6	R660	*D6	R801	G4	R923	*H4	R1047	*K6
C127	*C2	C400	J1	C627	*C7	C911	H4	C1216	*E7	COR501	B5	D1405	*M3	IC709	F6	Q202	*E2	R135	*B1	R238	*E2	R342	*G2	R445	*K2	R549	*B5	R661	*D7	R802	*G5	R925	*J5	R1048	*K5
C128	*C3	C401	K1	C628	D6	C912	J4	C1217	G7	COR600	C5	D1406	*M3	IC710	E5	Q203	E2	R136	*B1	R239	*E1	R343	*G2	R446	*K2	R550	*B5	R672	*D5	R803	*F5	R929	*J5	R1049	*K6
C129	C2	C402	*J1	C629	C6	C913	*J4	C1219	*G7	COR601	D5	D1407	*M5	IC711	D5	Q300	*H2	R137	*B1	R240	D2	R344	*F2	R447	*K2	R551	*B5	R673	*D5	R804	G5	R931	*J5	R1050	*K6
C130	*C2	C403	*J1	C630	C6	C914	*J5	C1220	G7	COR700	E5	D1408	*M5	IC801	G4	Q301	*G2	R138	*B2	R241	*D2	R345	*G2	R448	*K2	R552	*B5	R674	*D5	R805	G5	R932	J5	R1051	*L6
C131	*C2	C404	J1	C631	*C6	C915	J4	C1222	*G7	COR701	E5			IC802	H3	Q302	*G2	R139	*B1	R242	*E2	R346	*G2	R449	*K2	R553	*B5	R675	*D5	R806	G5	R933	J5	R1052	*K6
C132	B3	C405	H1	C632	C5	C916	*J4	C1223	F7	COR800	G5	E100	A3	IC803	G4	Q303	G2	R140	B2	R243	*E2	R347	*G2	R450	*K2	R554	*B6	R676	*D5	R807	G5	R934	H5	R1053	*L6
C133	*B3	C406	*K1	C633	*C5	C917	*H4	C1224	*F7	COR801	G5	E200	E3	IC804	G3	Q400	*J2	R141	*B2	R244	*E2	R348	*G2	R451	*K2	R555	*B6	R677	*D5	R808	G5	R935	H5	R1054	*L5
C134	*A3	C407	*K2	C634	*C6	C918	*H4	C1225	*M4	COR900	J5	E300	F3	IC805	G4	Q401	*J2	R142	*B2	R245	*E2	R349	*G2	R452	*K3	R556	*A6	R678	*D5	R809	G5	R936	*J5	R1055	*K6
C135	A3	C408	K2	C635	D6	C919	*H4	C1226	*M5	COR901	J5	E400	K3	IC806	G5	Q402	*K2	R143	*B2	R246	*E2	R350	*G2	R453	J2	R557	*A6	R679	*D5	R810	*G4	R937	J5	R1056	*L6
C136	D3	C409	L1	C636	D7	C920	*J5	C1227	*M6	COR902	H5	E501	B5	IC807	G5	Q403	K2	R144	*B2	R247	*E2	R351	*G2	R454	J2	R558	*A6	R691	*C4	R811	*G4	R938	J5	R1057	*K6
C137	D3	C410	*L1	C700	E4	C921	J6	C1229	R7	COR950	K5	E600	C5	IC808	G6	Q500	*B4	R145	*B2	R248	*E2	R352	*G3	R455	K2	R559	*A6	R700	E4	R812	G4	R939	H5	R1058	*K6
C138	D3	C411	K1	C701	E4	C922	J5	C1230	R7	COR951	K5	E700	F5	IC809	G6	Q501	*A4	R146	*B2	R249	*E2	R353	G2	R456	K2	R560	*A6	R701	E4	R813	G4	R940	H5	R1059	*L5
C139	D3	C412	*K1	C702	*E4	C923	*J5	C1231	R7	COR952	K5	E800	F5	IC810	H5	Q502	*B7	R147	*B2	R250	*E2	R354	G2	R457	K2	R561	*B7	R702	*E5	R814	*G4	R941	*J5	R1060	*L6
C140	B3	C413	*J1	C703	F4	C924	*J5	C1232	R6			E900	J5	IC811	G5	Q503	*B4	R148	*B2	R251	*E2	R355	G2	R458	K2	R562	*B3	R703	*F5	R815	*G4	R942	*J5	R1061	*L6
C141	*B3	C414	J2	C704	F4	C925	J6	C1233	*R7	D100	*C2	E1001	K5	IC900	J4	Q504	*A5	R149	*B2	R252	*E3	R356	G2	R459	*K3	R563	*B3	R704	E5	R816	*G4	R943	*J6	R1062	*L6
C142	*A3	C415	*K1	C705	E5	C926	H6	C1234	*R6	D101	*B1	E1100	L4	IC901	H4	Q505	*A5	R150	*B2	R253	E2	R357	G2	R460	*K2	R564	*C3	R705	E5	R817	*G4	R944	*J5	R1063	*L6
C143	A3	C416	K1	C706	*E4	C927	*J6	C1300	*N4	D102	*B1	E1101	R1	IC902	H3	Q600	*D4	R151	*B2	R254	E2	R358	G2	R461	*K2	R565	*C3	R706	E5	R818	*G4	R945	*J5	R1064	*K6
C144	*A2	C417	*K2	C707	*E4	C928	*J6	C1301	*N5	D103	C2	E1400	R6	IC903	J3	Q601	*D4	R152	*B3	R255	E2	R359	*G3	R465	J2	R566	*C3	R707	E5	R819	*G4	R946	*H6	R1065	*K6
C200	D1	C418	*K2	C708	E4	C929	J6	C1302	N5	D104	C3			IC904	J4	Q602	*D7	R153	B2	R256	E2	R360	*G2	R466	J2	R567	*C3	R708	E5	R820	*H4	R947	*J5	R1066	*L6
C201	E1	C419	*K2	C709	E4	C930	H6	C1303	N5	D105	*B3	IC100	B1	IC906	J5	Q603	*C4	R154	B2	R257	E2	R361	*G2	R467	J2	R568	*B3	R709	E5	R821	*G4	R948	*J5	R1067	*K6
C202	*D1	C420	*K3	C711	*F4	C931	*J6	C1304	*N4	D106	B2	IC101	C1	IC907	J5	Q604	*D5	R155	B2	R258	E2	R365	H2	R468	*J3	R569	*B3	R710	*E4	R822	*G5	R949	*J6	R1068	*L7
C203	*E1	C421	*K3	C712	F4	C932	H6	C1356	*P3	D107	*B3	IC102	B1	IC908	J6	Q605	*D5	R156	B2	R259	*E3	R366	H2	R469	*J3	R570	*C3	R711	*E4	R823	*F5	R950	*J6	R1072	*H5
C204	D1	C422	J2	C713	*F4	C933	H7	C1357	*P4	D200	*D2	IC103	B1	IC909	J6	Q700	*E4	R157	B2	R260	*E2	R367	H2	R470	*J2	R571	*C3	R712	E4	R824	F5	R951	*J6	R1073	*H5
C205	D1	C423	J2	C714	*E5	C934	*H6	C1358	*P3	D201	*D1	IC104	B2	IC910	H5	Q701	*E4	R158	B2	R261	*E2	R368	*G3	R471	*J2	R572	*A5	R713	E4	R825	G5	R952	*H6	R1091	*K4
C206	*E1	C424	*J2	C715	E4	C935	*H7	C1400	P6	D202	*E1	IC105	B2	IC911	H5	Q702	*F7	R159	*B3	R265	D2	R369	*H3	R472	*J2	R573	*A5	R714	*E4	R826	G5	R953	*J6	R1100	*M2
C207	*E2	C425	*J3	C716	*E4	C936	J7	C1401	P6	D203	D2	IC106	C2	IC975	K3	Q703	*F4	R160	*B2	R266	D2	R370	*H2	R473	*J3	R574	*A5	R715	*E4	R827	G5	R954	*H5	R1101	*M2
C208	E2	C426	*J2	C717	*E4	C975	*J3	C1402	P6	D204	D3	IC108	C3	IC1000	L4	Q704	*E5	R161	*B2	R267	D2	R371	*H2	R475	*K2	R575	*A5	R716	*E4	R828	G5	R955	*H6	R1102	*M2
C209	F1	C427	*J2	C718	*E4	C1000	K4	C1403	P6	D206	E2	IC109	A3	IC1001	L4	Q705	*E5	R165	C2	R268	*D3	R372	*H2	R476	*L2	R576	*A5	R717	*E4	R829	G5	R956	*H6	R1103	*M2
C210	*F1	C428	*J3	C719	*E4	C1001	K4	C1404	P6	D300	*H2	IC110	A3	IC1002	L3	Q800	*G4	R166	C2	R269	*D3	R373	*H3	R477	*K2	R577	*A5	R718	*E4	R830	G5	R957	*J6	R1104	*M2
C211	E1	C444	*L2	C720	*E5	C1002	L5	C1405	P6	D301	*G1	IC112	A2	IC1003	L3	Q801	*G4	R167	C2	R270	*D2	R374	J3	R478	*L2	R578	*A5	R719	*E4	R831	G5	R958	*J6	R1105	*M2
C212	*E1	C500	A4	C721	F6	C1003	L4	C1406	P6	D302	*G1	IC113	A2	IC1004	K4	Q802	*G7	R168	*B3	R271	*D2	R375	*F2	R479	*L2	R579	*A5	R720	*D4	R832	G5	R959	*H5	R1106	*P2
C213	*D1	C501	A4	C722	*E5	C1004	L4	C1407	P6	D303	H2	IC200	E1	IC1006	K5	Q803	*F4	R169	*C3	R272	*D2	R376	*F2	R480	*L2	R591	*B4	R721	*E4	R833	*G5	R960	*H6	R1107	*M3
C214	D2	C502	*A4	C723	*E6	C1005	*K4	C1408	*P6	D304	H3	IC201	D1	IC1007	K5	Q804	*G5	R170	*C2	R273	*D3	R377	*F2	R481	*K2	R600	C4	R722	*E5	R834	*F6	R961	*J6	R1108	*P2
C215	*E1	C503	B4	C724	E6	C1006	*L4	C1409	*P6	D305	*H3	IC202	E1	IC1008	L6	Q805	*G5	R171	*C2	R275	*F2	R378	*F2	R482	*K3	R601	C4	R723	*F5	R835	*G6	R962	*J6	R1109	*P2
C216	E1	C504	B4	C725	*E6	C1007	K4	C1410	M4	D306	G2	IC203	E1	IC1009	L6	Q900	*H4	R172	*C2	R276	*F2	R379	*F2	R483	*L3	R602	*C5	R724	F5	R836	*G6	R963	*H6	R1110	*P1
C217	*E2	C505	A5	C726	E7	C1008	*K4	C1412	M3	D307	*H3	IC204	E2	IC1010	L5	Q901	*H4	R173	*C3	R277	*F2	R380	*F2	R489	*K2	R603	*C5	R725	E5	R837	*G6	R964	*H6	R1111	*P1
C218	*E2	C506	*B4	C727	*E7	C1009	*L3	C1413	M3	D400	*J2	IC205	E2	IC1100	M2	Q902	*J7	R174	D3	R278	*F2	R381	*F2	R490	*K2	R604	D5	R726	E5	R838	*G6	R965	*H6	R1112	N1
C219	*E2	C507	*A4	C728	F6	C1011	K4	C1414	*N7	D401	*J1	IC206	D2	IC1101	M1	Q903	*J4	R175	*A2	R279	*F2	R382	*F3	R491	K2	R605	D5	R727	E5	R839	*H6	R966	*H6	R1113	N2
C220	*E3	C508	A4	C729	E6	C1012	L4	C1415	*N6	D402	*J1	IC212	F2	IC1102	P1	Q1000	*K4	R176	*A2	R280	*F2	R383	*F3	R492	J1	R606	D5	R728	E5	R840	*H6	R967	*J6	R1114	*M3
C221	*E3	C509	B4	C730	E6	C1013	*K4	C1416	*N6	D403	J2	IC213	F2	IC1103	N3	Q1001	*L4	R177	*A2	R281	*F2	R389	*F2	R493	*K2	R607	D5	R729	E5	R841	*G6	R968	*J7	R1115	*M2
C222	D2	C511	*B4	C731	*E6	C1014	*K5	C1417	*N6	D404	J3	IC300	G1	IC1104	R1	Q1002	*L7	R178	*A2	R282	*E3	R390	*G2	R494	*K2	R608	D5	R730	E5	R842	*G6	R972	*H5	R1116	*N1
C223	D2	C512	B4	C732	F5	C1015	K4	C1418	M4	D406	K2	IC301	H1	IC1105	M2	Q1003	*K4	R179	*A2	R283	*F3	R391	G2	R495	*L2	R609	D5	R731	E5	R843	*G5	R973	*H5	R1117	*N2
C224	*D2	C513	*B4	C733	*E5	C1016	*K4	C1419	*N6	D500	*A4	IC302	G1	IC1106	M3	Q1200	*R7	R180	*A2	R289	*E2	R392	G1	R496	*L3	R610	*C4	R732	E5	R844	*G6	R975	*J3	R1118	*M3
C225	*D3	C514	*B5	C734	*E6	C1017	*L4	C1420	*N6	D501	*B7	IC303	G1	IC1107	M1	Q1201	*R7	R181	*A2	R290	*E2	R393	*F2	R497	*L2	R611	*C4	R733	*E5	R845	*G6	R976	*J3	R1119	*M3
C226	*D2	C515	B4	C735	E6	C1018	*L4	C1421	*N6	D502	*B6	IC304	G2	IC1108	N1	Q1400	M6	R182	*A3	R291	E2	R394	*F2	R500	B4	R612	C4	R734	*F6	R846	*H5	R977	*K3	R1120	*M3
C227	*D2	C516	*B4	C736	F7	C1019	*L4	C1422	*N6	D503	*B6	IC305	G2	IC1109	M3	Q1401	M6	R183	*A3	R292	D1	R395	*F2	R501	B4	R613	C4	R735	*E6	R847	*F6	R978	*J3	R1121	*L3
C228	*D3	C517	*A4	C737	*F3	C1020	*K5	C1423	*M6	D504	*B7	IC306	H2	IC1200	P6	Q1402	M6	R189	*A2	R293	*E2	R396	*F3	R502	*B5	R614	*C4	R736	*E5	R848	*G6	R979	*J3	R1122	*M3
C244	*F2	C518	*A4	C800	F4	C1021	K6	C1424	*N6	D505	*A5	IC308	H3	IC1201	M7	Q1403	M6	R190	*B2	R294	*F2	R397	*F2	R503	*B5	R615	*C4	R737	*E6	R849	*G5	R980	*K3	R1123	*L3
C300	G1	C519	*A4	C801	G5	C1022	K5	C1425	*N6	D506	*B4	IC309	G3	IC1204	P6	Q1404	L6	R191	B2	R295	*F2	R400	*J1	R504	B5	R616	*D4	R738	*E6	R850	*G5	R981	*K3	R1124	*M3
C301	G1	C520	*B5	C802	*G4	C1023	*K5	C1426	*R5	D507	*A4	IC310	G3	IC1205	L4	Q1406	*N4	R192	B1	R296	*F3	R401	*K1	R505	A5	R617	*D4	R739	*F6	R851	*F5	R991	*J4	R1125	*M4
C302	*G1	C521	B6	C803	F4	C1024	*K5	C1427	L3	D600	*C4	IC312	F2	IC1206	P6	Q1407	*M4	R193	*B2	R297	*F2	R402	*J1	R506	B5	R618	*D4	R740	*F6	R852	*G5	R1000	*J3	R1126	*M3
C303	*G1	C522	*B5	C804	G4	C1025	L6	C1428	L3	D601	*D7	IC313	F2	IC1207	M6	Q1408	*N4	R194	*A2	R300	*G1	R403	*J1	R507	A5	R619	*D4	R741	*F6	R853	*F5	R1001	*J3	R1127	*M3
C304	H1	C523	*B6	C805	G4	C1026	K6	C1429	L3	D602	*D6	IC400	J1	IC1208	M7	Q1409	*M4	R195	*A2	R301	*G1	R404	*J2	R508	B5	R620	*D4	R742	*F6	R854	*F6	R1002	K4	R1128	*M3
C305	H1	C524	A6	C806	*G4	C1027	*K6	C1430	L3	D603	*C6	IC401	J1	IC1209	L6	Q1410	*N3	R196	*A3	R302	*G1	R405	J1	R509	A5	R621	*D4	R743	*E5	R855	*G6	R1003	K4	R1129	*M3
C306	*G1	C525	*A6	C807	*F4	C1028	*K6	C1431	*L2	D604	*C7	IC402	K1	IC1210	M5	Q1411	*M3	R197	*A2	R303	*G1	R406	J1	R510	*B4	R622	*C5	R744	*E6	R856	*F6	R1004	K5	R1130	*M3
C307	*G2	C526	A7	C808	F4	C1029	L6	C1432	L2	D605	*D5	IC403	K1	IC1211	M6	Q1412	*N3	R200	*D1	R304	*H2	R407	J1	R511	*B4	R623	*C5	R745	*E6	R857	*F6	R1005	L5	R1131	*M3
C308	G2	C527	*A7	C809	G4	C1030	K6	C1433	*L2	D606	*C4	IC404	K2	IC1212	M5	Q1413	*M3	R201	*E1	R305	H1	R408	J1	R512	B4	R624	C5	R746	*D5	R858	*G6	R1006	K5	R1132	*M3
C309	F1	C528	B6	C811	*G3	C1031	*K6	C1434	L2	D607	*D4	IC405	K2	IC1213	M4			R202	*D1	R306	H1	R409	J1	R513	B4	R625	D5	R747	*E6	R859	*G6	R1007	L5	R1133	*M3
C310	*F1	C529	A6	C812	G4	C1032	K6	C1435	*L1	D700	*E4	IC406	J2	IC1214	L4	R100	*B1	R203	*E1	R307	H1	R410	J1	R514	*B4	R626	D5	R748	*E6	R860	*H6	R1008	K5	R1134	*M2
C311	F1	C530	B6	C813	*F4	C1033	K7	C1436	L1	D701	*F7	IC412	L2	IC1215	M4	R101	*B1	R204	*D2	R308	H1	R411	J1	R515	*B4	R627	D5	R749	*E5	R861	*G7	R1009	L5	R1135	*M2
C312	*F1	C531	*B6	C814	*G5	C1034	K6	C1437	*L1	D702	*F6	IC413	L2	IC1216	M4	R102	*B1	R205	D1	R309	H1	R412	H1	R516	*A4	R628	D5	R750	*F5	R872	*H5	R1010	*K4	R1136	*M2
C313	*H1	C532	B5	C815	G4	C1035	*K7	C1438	L1	D703	*E6	IC500	C3	IC1300	N5	R103	*B1	R206	D1	R310	H1	R413	J2	R517	*B4	R629	D5	R751	*F5	R873	*H5	R1011	*K4	R1137	M1
C314	H2	C533	*B5	C816	*G4	C1036	L7	C1439	L1	D704	*E7	IC501	B4	IC1301	N3	R104	*C2	R207	D1	R311	H1	R414	J1	R518	*A4	R630	D5	R752	*E5	R874	*G5	R1012	K4	R1138	*M1
C315	*F1	C534	*B6	C817	*G4	C1100	M2	C1440	L1	D705	*E5	IC502	A3	IC1302	P3	R105	C1	R208	D1	R312	H1	R415	J1	R519	*A4	R631	C5	R753	*F5	R875	*G5	R1013	K4	R1139	*M1
C316	F1	C535	A6	C818	*G4	C1101	*R1	C1441	L1	D706	*F4	IC503	B4	IC1303	N3	R106	C1	R209	D1	R313	G2	R416	J2	R520	*A4	R632	C5	R754	*E6	R876	*G5	R1014	*K4	R1140	M1
C317	*G2	C536	B7	C819	*G4	C1102	*R1	C1442	M5	D707	*E4	IC504	A3	IC1304	P4	R107	C1	R210	D1	R314	G1	R417	*K1	R521	*A4	R633	*C5	R755	*E6	R877	*H5	R1015	*K4	R1141	M1

R1142	M1	R1349	P4	R1486	*L1	RY900	J7
R1143	M1	R1350	P4	R1487	*L2	RY901	J5
R1144	M1	R1351	P4	R1488	*L2	RY1000	K7
R1145	*M1	R1352	*P4	R1489	*L2	RY1001	K5
R1146	*M1	R1353	*P4	R1490	*L2		
R1147	*M1	R1354	*P4	R1491	*L1	SL1	F7
R1148	*M3	R1355	*P4	R1492	L2	SL2	R7
R1149	*M3	R1400	*P6	R1493	*L1	SL100	A2
R1150	*P2	R1401	*P6	R1494	L2	SL101	B1
R1151	*P2	R1402	*P6	R1495	*L1	SL200	E2
R1152	*P2	R1403	*P6	R1496	L2	SL201	E1
R1200	*M7	R1404	N4	R1497	*L5	SL300	F2
R1201	*M5	R1405	*P6	R1498	*L5	SL301	G1
R1202	*M7	R1406	*P6	R1499	*L6	SL400	K2
R1203	*M7	R1407	*P6	R1500	*L6	SL401	K1
R1204	*M7	R1408	*P6	R1501	*M6		
R1205	*M7	R1409	M4	R1502	*M6	TH100	C1
R1206	*P7	R1410	N3	R1503	*L6	TH200	D1
R1207	*P7	R1411	*N7	R1504	*M6	TH300	H1
R1208	*M4	R1412	*N7	R1505	*M6	TH400	H1
R1209	*M7	R1413	*N7	R1506	*M6	TH1400	L1
R1210	*M7	R1414	*N7	R1507	*M6		
R1211	*L7	R1415	*N7	R1508	*M6	TP100	C2
R1212	*L7	R1416	*N7	R1509	*L6	TP101	A2
R1213	*L7	R1417	*N6	R1510	*P6	TP200	D2
R1214	*M7	R1418	*N6	R1511	*N6	TP201	E2
R1215	*L7	R1419	*N6	R1512	*P6	TP300	H2
R1216	L6	R1420	*N6	R1513	N7	TP301	F2
R1217	*M5	R1421	*N6	R1514	*L1	TP400	J2
R1218	*M5	R1422	*M6	R1515	N4	TP401	K2
R1219	*M6	R1423	*M6	R1516	N3	TP500	B5
R1220	*M4	R1424	*R5	R1517	M4	TP600	C5
R1221	*M5	R1425	*R5	R1518	M4	TP700	F5
R1222	*N7	R1426	N4	R1519	M3	TP800	F5
R1223	*N7	R1427	N4	R1520	N3	TP900	J5
R1224	*P7	R1428	*R6	R1521	N4	TP1000	K5
R1225	*P7	R1429	N7	R1522	P5	TP1100	N1
R1226	P7	R1430	*N6	R1523	P5	TP1101	N2
R1227	P7	R1431	N7	R1524	P5	TP1102	N1
R1228	*P7	R1432	N7	R1525	P4	TP1103	N2
R1229	*P7	R1433	N7	R1526	P5	TP1104	M3
R1230	*P7	R1434	N7	R1527	*L2	TP1105	M3
R1231	*F7	R1435	N7			TP1106	M3
R1232	*N5	R1436	*N6	RB1100	N1	TP1107	L3
R1233	*P7	R1437	*N6	RB1101	N1	TP1108	M3
R1234	*R7	R1438	N6	RB1201	*M7	TP1109	L3
R1235	*M5	R1439	*N6	RB1400	*R7	TP1110	M3
R1240	*P7	R1440	*N6	RB1401	*N7	TP1111	M4
R1241	*P7	R1441	*N6	RB1402	*M6	TP1112	M1
R1242	*P7	R1442	*N6			TP1113	M2
R1243	*P7	R1443	*N6	RV100	C2	TP1114	M2
R1244	*P7	R1444	*N6	RV101	C2	TP1115	M2
R1245	*P6	R1445	*P5	RV102	B1	TP1116	M2
R1246	*P7	R1446	*N5	RV103	C2	TP1117	M2
R1247	*P7	R1447	*N5	RV104	A2	TP1118	M2
R1300	*N4	R1448	*N5	RV200	D2	TP1202	P7
R1301	*N4	R1449	*P5	RV201	D2	TP1203	L7
R1302	N4	R1450	*P5	RV202	E1	TP1204	M6
R1303	N4	R1451	*P6	RV203	D2	TP1300	R3
R1304	*N4	R1452	*P6	RV204	F2	TP1301	N4
R1305	N3	R1453	*P5	RV300	H2	TP1302	N3
R1306	*P2	R1454	*P5	RV301	H2	TP1400	L2
R1307	*P3	R1455	*P5	RV302	G1	TP1401	L2
R1308	*P2	R1456	*P5	RV303	H2	TP1402	L1
R1309	*P3	R1457	*P5	RV304	F2	TP1403	L1
R1310	*P3	R1458	*P5	RV400	J2		
R1311	*P2	R1459	*P5	RV401	J2	X1300	P3
R1312	*P2	R1460	*P5	RV402	K1		
R1313	N3	R1461	R5	RV403	J2	Z1300	N4
R1314	N3	R1462	R5	RV404	L2	Z1301	N4
R1315	P3	R1463	R5	RV500	B5	Z1302	N4
R1316	P4	R1464	*P6	RV600	C5	Z1303	N4
R1317	P4	R1465	*P5	RV700	F5	Z1304	N4
R1318	P4	R1466	*P5	RV800	F5	Z1305	N4
R1319	P4	R1467	*P5	RV900	J5	Z1306	N4
R1320	P4	R1468	*P5	RV1000	K5	Z1307	N4
R1321	N3	R1469	P5			Z1308	N4
R1322	N3	R1470	P5	RY100	C2	Z1309	N4
R1323	N3	R1471	P5	RY101	B2	Z1310	N4
R1324	N3	R1472	*P5	RY200	D2	Z1311	N4
R1325	N3	R1473	*P5	RY201	E2	Z1312	N4
R1326	*P4	R1474	*P6	RY300	H2	Z1313	N4
R1327	*N3	R1475	*P6	RY301	F2		
R1333	*P3	R1476	*R6	RY400	J2	*:B SIDE	
R1334	*P3	R1477	*L2	RY401	K2		
R1335	*P3	R1478	*L2	RY500	B7		
R1336	*P3	R1479	*L1	RY501	B5		
R1337	*P3	R1480	*L1	RY600	C7		
R1344	*P4	R1481	*L1	RY601	C5		
R1345	*P4	R1482	*L1	RY700	E7		
R1346	*P4	R1483	*L2	RY701	F5		
R1347	*P4	R1484	*L1	RY800	G7		
R1348	*P4	R1485	*L1	RY801	F5		



APR-40 -A SIDE-
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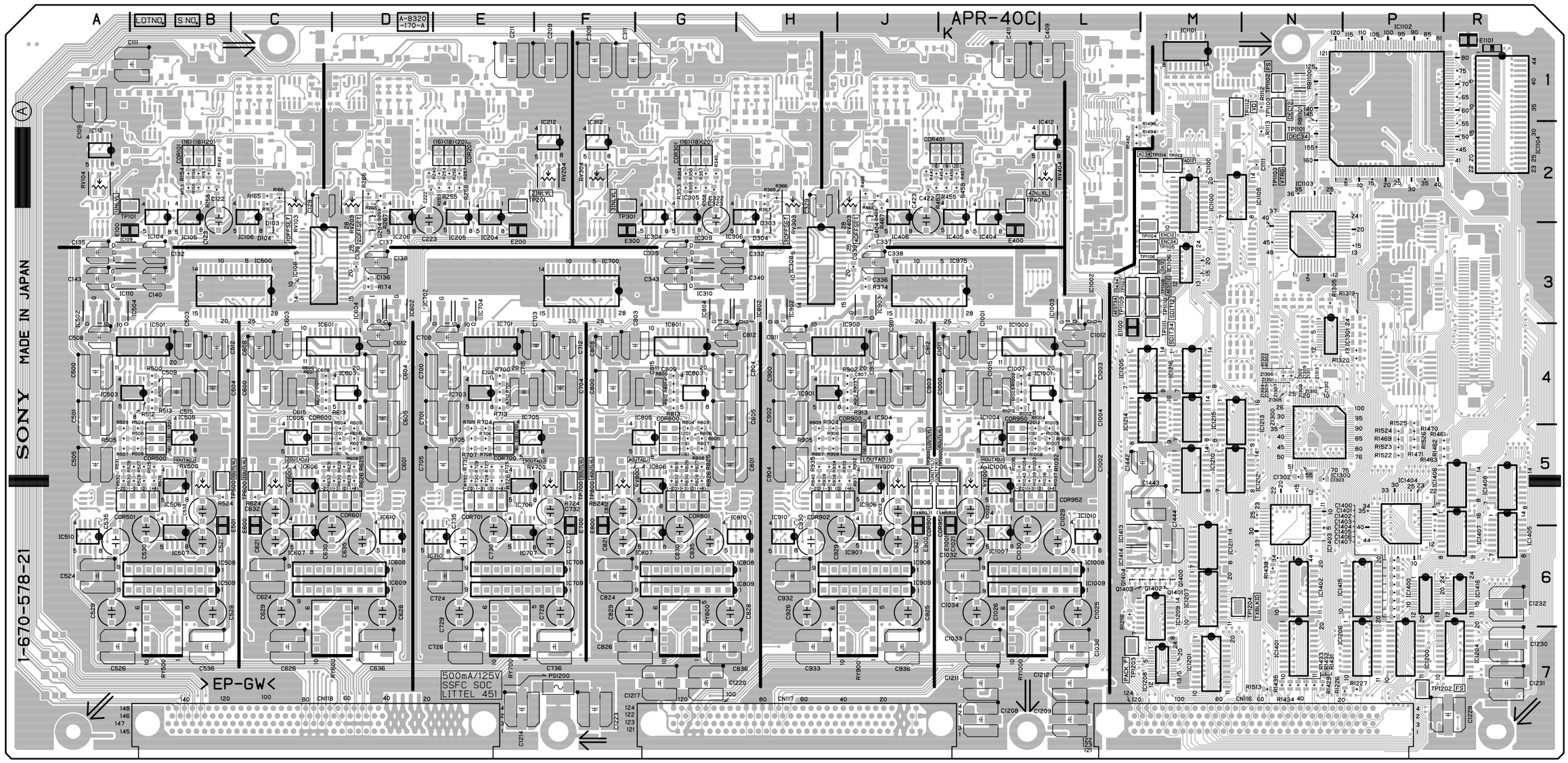


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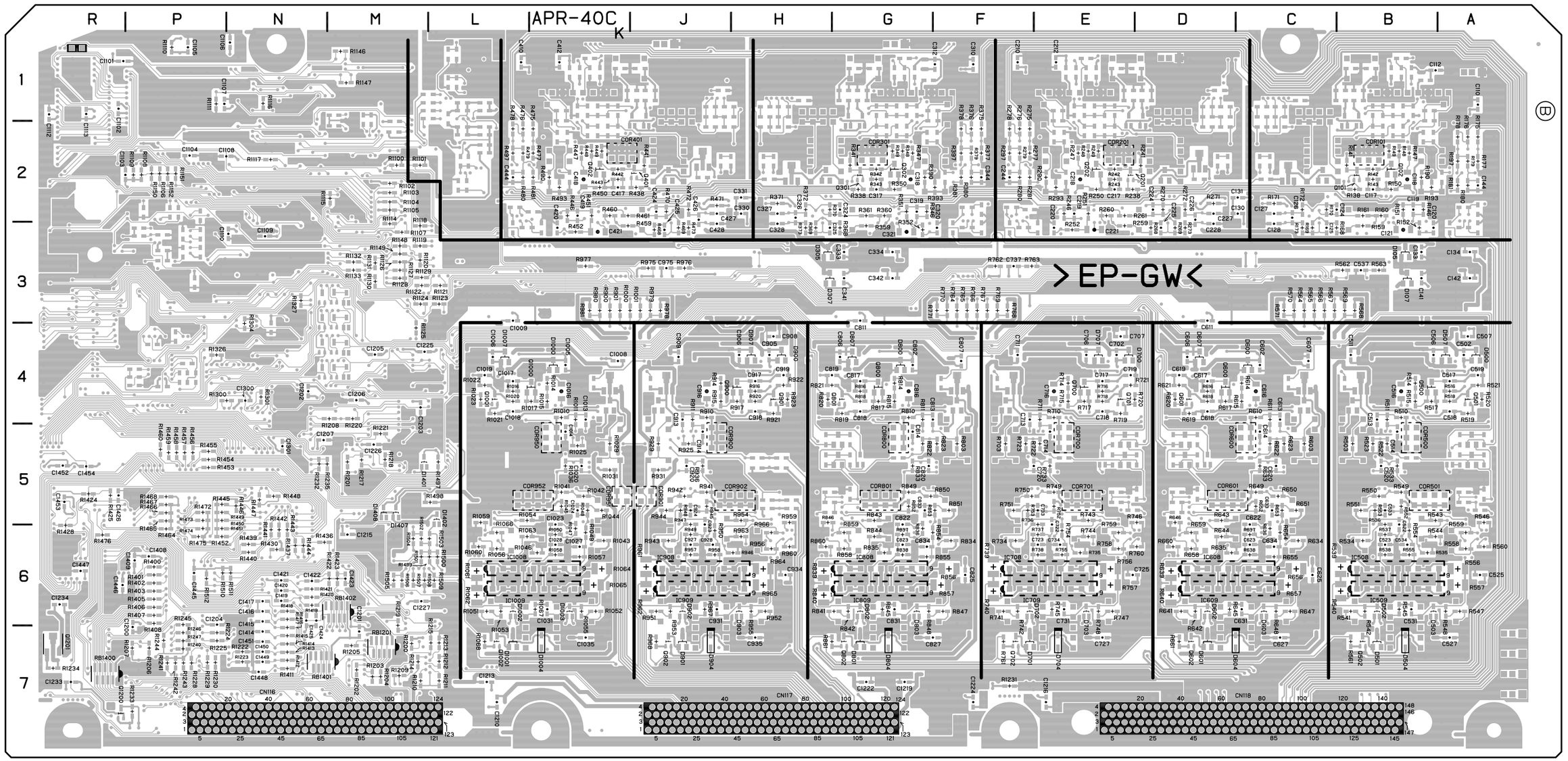
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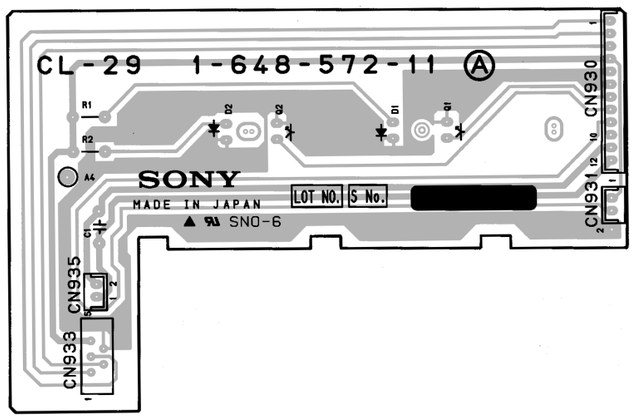
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C110	*A1	C425	*J3	C715	E4	C934	*H6	C1402	P6	D807	*G4	IC808	G6	Q1400	M6	R346	*G2	R517	*B4	R638	*C6	R769	*F3	R935	H5	R1058	*K6	R1244	*P7	R1500	*L6				
C111	B1	C426	*J2	C716	*E4	C935	*H7	C1403	P6	D900	*H4	IC809	G6	Q1401	M6	R347	*G2	R518	*A4	R639	*D6	R770	*F3	R936	*J5	R1059	*L5	R1245	*P6	R1501	*M6	*:B SIDE			
C112	*B1	C427	*J2	C717	*E4	C936	J7	C1404	P6	D901	*J7	IC810	H5	Q1402	M6	R348	*G2	R519	*A4	R640	*D6	R771	*F3	R937	J5	R1060	*L6	R1246	*P7	R1502	*M6				
C117	*B2	C428	*J3	C718	*E4	C975	*J3	C1405	P6	D902	*J6	IC900	J4	Q1403	M6	R349	*G2	R520	*A4	R641	*D6	R800	G4	R938	J5	R1061	*L6	R1247	*P7	R1503	*L6				
C118	*B2	C444	*L2	C719	*E4	C1000	K4	C1406	P6	D903	*H6	IC901	H4	Q1404	L6	R350	*G2	R521	*A4	R642	*D6	R801	G4	R939	H5	R1062	*L6	R1300	*N4	R1504	*M6				
C119	*B2	C500	A4	C720	*E5	C1001	K4	C1407	P6	D904	*J7	IC902	H3			R351	*G2	R522	*B5	R643	*D5	R803	*F5	R940	H5	R1063	*L6	R1301	*N4	R1505	*M6				
C120	*B3	C501	A4	C721	F6	C1002	L5	C1408	*P6	D907	*H4	IC903	J3	R138	*B2	R352	*G3	R523	*B5	R644	*D6	R804	G5	R941	*J5	R1064	*K6	R1302	N4	R1506	*M6				
C121	*B3	C502	*A4	C722	*E5	C1003	L4	C1409	*P6	D1000	*K4	IC904	J4	R140	B2	R353	G2	R524	B5	R645	*D6	R805	G5	R942	*J5	R1065	*K6	R1303	N4	R1507	*M6				
C122	B2	C503	B4	C723	*E6	C1004	L4	C1414	*N7	D1001	*L7	IC906	J5	R141	*B2	R354	G2	R525	B5	R646	*D5	R806	G5	R943	*J6	R1066	*L6	R1304	*N4	R1508	*M6				
C123	B2	C504	B4	C724	E6	C1005	*K4	C1415	*N6	D1002	*L6	IC907	J5	R142	*B2	R355	G2	R526	B5	R647	*C6	R807	G5	R944	*J5	R1067	*K6	R1305	N3	R1509	*L6				
C124	*B2	C505	A5	C725	*E6	C1006	*L4	C1416	*N6	D1003	*K6	IC908	J6	R143	*B2	R356	G2	R527	B5	R648	*C6	R808	G5	R945	*J5	R1068	*L7	R1319	P4	R1510	*P6				
C125	*C3	C506	*B4	C726	E7	C1007	K4	C1417	*N6	D1004	*K7	IC909	J6	R146	*B2	R357	G2	R528	B5	R649	*C5	R809	G5	R946	*H6	R1100	*M2	R1320	P4	R1511	*N6				
C126	*C2	C507	*A4	C727	*E7	C1008	*K4	C1419	*N6	D1007	*L4	IC910	H5	R147	*B2	R358	G2	R529	B5	R650	*C5	R810	*G4	R947	*J5	R1101	*M2	R1326	*P4	R1512	*P6				
C127	*C2	C508	A4	C728	F6	C1009	*L3	C1420	*N6	D1401	*M5	IC975	K3	R148	*B2	R359	*G3	R530	B5	R651	*C5	R811	*G4	R948	*J5	R1102	*M2	R1327	*N3	R1513	N7				
C128	*C3	C509	B4	C729	E6	C1011	K4	C1421	*N6	D1402	*L5	IC1000	L4	R149	*B2	R360	*G2	R531	A5	R652	*C5	R812	G4	R949	*J6	R1103	*M2	R1400	*P6	R1522	P5				
C129	C2	C511	*B4	C730	E6	C1012	L4	C1422	*N6	D1407	*M5	IC1001	L4	R150	*B2	R361	*G2	R532	A5	R653	*C5	R813	G4	R950	*J6	R1104	*M2	R1401	*P6	R1523	P5				
C130	*C2	C512	B4	C731	*E6	C1013	*K4	C1423	*M6	D1408	*M5	IC1002	L3	R151	*B2	R365	H2	R533	*B5	R654	*C6	R814	*G4	R951	*J6	R1105	*M2	R1402	*P6	R1524	P5				
C131	*C2	C513	*B4	C732	F5	C1014	*K5	C1424	*N6			IC1003	L3	R152	*B3	R366	H2	R534	*B6	R655	*C6	R815	*G4	R952	*H6	R1106	*P2	R1403	*P6	R1525	P4				
C132	B3	C514	*B5	C733	*E5	C1015	K4	C1425	*N6	E100	A3	IC1004	K4	R153	B2	R367	H2	R535	*B6	R656	*C6	R816	*G4	R953	*J6	R1107	*M3	R1405	*P6	R1526	P5				
C133	*B3	C515	B4	C734	*E6	C1016	*K4	C1426	*R5	E200	E3	IC1006	K5	R154	B2	R368	*G3	R536	*B5	R657	*C6	R817	*G4	R954	*H5	R1108	*P2	R1406	*P6						
C134	*A3	C516	*B4	C735	E6	C1017	*L4	C1442	M5	E300	F3	IC1007	K5	R155	B2	R369	*H3	R537	*B6	R658	*D6	R818	*G4	R955	*H6	R1109	*P2	R1407	*P6	RB1100	N1				
C135	A3	C517	*A4	C736	F7	C1018	*L4	C1443	M5	E400	K3	IC1008	L6	R156	B2	R370	*H2	R538	*B6	R659	*D6	R819	*G4	R956	*H6	R1110	*P1	R1408	*P6	RB1101	N1				
C136	D3	C518	*A4	C737	*F3	C1019	*L4	C1444	M6	E501	B5	IC1009	L6	R157	B2	R371	*H2	R539	*B6	R660	*D6	R820	*H4	R957	*J6	R1111	*P1	R1411	*N7	RB1201	*M7				
C137	D3	C519	*A4	C800	F4	C1020	*K5	C1445	*P6	E600	C5	IC1010	L5	R158	B2	R372	*H2	R540	*B6	R661	*D7	R821	*G4	R958	*J6	R1112	N1	R1412	*N7	RB1400	*R7				
C138	D3	C520	*B5	C801	G5	C1021	K6	C1446	*R6	E700	F5	IC1100	M2	R159	*B3	R373	*H3	R541	*B6	R700	E4	R822	*G5	R959	*H5	R1113	N2	R1413	*N7	RB1401	*N7				
C139	D3	C521	B6	C802	*G4	C1022	K5	C1447	*R6	E800	F5	IC1101	M1	R160	*B2	R374	J3	R542	*B6	R701	E4	R823	*F5	R960	*H6	R1114	*M3	R1414	*N7	RB1402	*M6				
C140	B3	C522	*B5	C803	F4	C1023	*K5	C1448	*N7	E900	J5	IC1102	P1	R161	*B2	R375	*F2	R543	*B5	R703	*F5	R824	F5	R961	*J6	R1115	*M2	R1415	*N7						
C141	*B3	C523	*B6	C804	G4	C1024	*K5	C1449	*N7	E1001	K5	IC1103	N3	R165	C2	R376	*F2	R544	*B6	R704	E5	R825	G5	R962	*J6	R1116	*N1	R1416	*N7	RV103	C2				
C142	*A3	C524	A6	C805	G4	C1025	L6	C1450	*N7	E1100	L4	IC1104	R1	R166	C2	R377	*F2	R545	*B6	R705	E5	R826	G5	R963	*H6	R1117	*N2	R1417	*N6	RV104	A2				
C143	A3	C525	*A6	C806	*G4	C1026	K6	C1451	*N7	E1101	R1	IC1105	M2	R167	C2	R378	*F2	R546	*A5	R706	E5	R827	G5	R964	*H6	R1118	*M3	R1418	*N6	RV203	D2				
C144	*A2	C526	A7	C807	*F4	C1027	*K6	C1452	*R5			IC1106	M3	R168	*B3	R379	*F2	R547	*A6	R707	E5	R828	G5	R965	*H6	R1119	*M3	R1419	*N6	RV204	F2				
C209	F1	C527	*A7	C808	F4	C1028	*K6	C1453	*R5	IC104	B2	IC1200	P6	R169	*C3	R380	*F2	R548	*A6	R708	E5	R829	G5	R966	*H6	R1120	*M3	R1420	*N6	RV303	H2				
C210	*F1	C528	B6	C809	G4	C1029	L6	C1454	*R5	IC105	B2	IC1201	M7	R170	*C2	R381	*F2	R549	*B5	R709	E5	R830	G5	R967	*J6	R1121	*L3	R1421	*N6	RV304	F2				
C211	E1	C529	A6	C811	*G3	C1030	K6			IC106	C2	IC1204	P6	R171	*C2	R390	*G2	R550	*B5	R710	*E4	R831	G5	R968	*J7	R1122	*M3	R1422	*M6	RV403	J2				
C212	*E1	C530	B6	C812	G4	C1031	*K6	CN116	N7	IC108	C3	IC1205	L4	R172	*C2	R393	*F2	R551	*B5	R711	*E4	R832	G5	R975	*J3	R1123	*L3	R1423	*M6	RV404	L2				
C217	*E2	C531	*B6	C813	*F4	C1032	K6	CN117	H7	IC109	A3	IC1206	P6	R173	*C3	R397	*F2	R552	*B5	R712	E4	R833	*G5	R976	*J3	R1124	*M3	R1424	*R5	RV500	B5				
C218	*E2	C532	B5	C814	*G5	C1033	K7	CN118	C7	IC110	A3	IC1207	M6	R174	D3	R438	*J2	R553	*B5	R713	E4	R834	*F6	R977	*K3	R1125	*M4	R1425	*R5	RV600	C5				
C219	*E2	C533	*B5	C815	G4	C1034	K6			IC112	A2	IC1208	M7	R175	*A2	R440	J2	R554	*B6	R714	*E4	R835	*G6	R978	*J3	R1126	*M3	R1428	*R6	RV700	F5				
C220	*E3	C534	*B6	C816	*G4	C1035	*K7	COR101	B2	IC204	E2	IC1209	L6	R176	*A2	R441	*J2	R555	*B6	R715	*E4	R836	*G6	R979	*J3	R1127	*M3	R1429	N7	RV800	F5				
C221	*E3	C535	A6	C817	*G4	C1036	L7	COR201	E2	IC205	E2	IC1210	M5	R177	*A2	R442	*K2	R556	*A6	R716	*E4	R837	*G6	R980	*K3	R1128	*M3	R1430	*N6	RV900	J5				
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C225	*D3	C601	D5	C821	F6	C1103	*P2	COR501	B5	IC305	G2	IC1214	L4	R181	*A2	R448	*K2	R560	*A6	R720	*D4	R841	*G6	R1002	K4	R1132	*M3	R1434	N7	RY600	C7				
C226	*D2	C602	*C4	C822	*G5	C1104	*P2	COR600	C5	IC306	H2	IC1215	M4	R190	*B2	R449	*K2	R561	*B7	R721	*E4	R842	*G6	R1003	K4	R1133	*M3	R1435	N7	RY700	E7				
C227	*D2	C603	C4	C823	*G6	C1105	*P1	COR601	D5	IC308	H3	IC1216	M4	R193	*B2	R450	*K2	R562	*B3	R722	*E5	R843	*G5	R1004	K5	R1146	*M1	R1436	*N6	RY800	G7				
C228	*D3	C604	D4	C824	F6	C1106	*N1	COR700	E5	IC309	G3	IC1300	N5	R197	*A2	R451	*K2	R563	*B3	R723	*F5	R844	*G6	R1005	L5	R1147	*M1	R1437	*N6	RY900	J7				
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C309	F1	C606	*D4	C826	F7	C1108	*N2	COR800	G5	IC312	F2	IC1400	P6	R240	D2	R453	J2	R565	*C3	R725	E5	R846	*H5	R1007	L5	R1149	*M3	R1439	*N6						
C310	*F1	C607	*C4	C827	*F7	C1109	*N3	COR801	G5	IC404	K2	IC1401	N6	R241	*D2	R454	J2	R566	*C3	R726	E5	R847	*F6	R1008	K5	R1150	*P2	R1440	*N6	TP101	A2				
C311	F1	C608	C4	C828	G6	C1110	*N3	COR900	J5	IC405	K2	IC1402	N6	R242	*E2	R455	K2	R567	*C3	R727	E5	R848	*G6	R1009	L5	R1151	*P2	R1441	*N6	TP201	E2				
C312	*F1	C609	C4	C829	F6	C1111	N2	COR901	J5	IC406	J2	IC1403	N5	R243	*E2	R456	K2	R568	*B3	R728	E5	R849	*G5	R1010	*K4	R1152	*P2	R1442	*N6	TP301	F2				
C317	*G2	C611	*D3	C830	G6	C1112	*R1	COR902	H5	IC412	L2	IC1404	P5	R246	*E2	R457	K2	R569	*B3	R729	E5	R850	*G5	R1011	*K4	R1200	*M7	R1443	*N6	TP401	K2				
C318	*G2	C612	D4	C831	*G6	C1113	*R1	COR950	K5	IC500	C3	IC1405	R5	R247	*E2	R458	K2	R570	*C3	R730	E5	R851	*F5	R1012	K4	R1201	*M5	R1444	*N6	TP500	B5				
C319	*G2	C613	*C4	C832	F5	C1200	*P7	COR951	K5	IC501	B4	IC1406	P5	R248	*E2	R459	*K3	R571	*C3	R731	E5	R852	*G5	R1013	K4	R1202	*M7	R1445	*P5	TP600	C5				
C320	*F3	C614	*C5	C833	*G5	C1201	*M7	COR952	K5	IC502	A3	IC1407	P5	R249	*E2	R460	*K2	R600	C4	R732	E5	R853	*F5	R1014	*K4	R1203	*M7	R1446	*N5	TP700	F5				
C321	*G3	C615	C4	C834	*G6	C1202	*N4			IC503	B4	IC1408	R5	R250	*E2	R461	*K2	R601	C4	R733	*E5	R854	*F6	R1015	*K4	R1204	*M7	R1447	*N5	TP800	F5				
C322	G2	C616	*C4	C835	G6	C1203	*M4	D103	C2	IC504	A3	IC1413	L6	R251	*E2	R465	J2	R603	*C5	R734	*F6	R855	*G6	R1016	*L4	R1205	*M7	R1448	*N5	TP900	J5				
C323	G2	C617	*D4	C836	G7	C1204	*P6	D104	C3	IC505	B4	IC1414	L6	R252	*E3	R466	J2	R604	D5	R735	*E6	R856	*F6	R1017	*K4	R1206	*P7	R1449	*P5	TP1000	K5				
C324	*G2	C618	*D4	C900	H4	C1205	*M4	D105	*B3	IC506	B5	IC1415	P6	R253	E2	R467	J2	R605	D5	R736	*E5	R857	*F6	R1020	*L4	R1207	*P7	R1450	*P5	TP1100	N1				
C325	*H3	C619	*D4	C901	J4	C1206	*M4	D107	*B3	IC507	B5	IC1416	R6	R254	E2	R468	*J3	R606	D5	R737	*E6	R858	*G6	R1021	*L4	R1208	*M4	R1451	*P6	TP1101	N2				
C326	*H2	C620	*C5	C902	H4	C1207	*N5	D203	D2	IC508	B6			R255	E2	R469	*J3	R607	D5	R738	*E6	R859	*G6	R1022	*L4	R1209	*M7	R1452	*P6	TP1102	N1				
C327	*H2	C621	C6	C903	J4	C1208	K7	D204	D3	IC509	B6	PS1200	F7	R256	E2	R470	*J2	R608	D5	R739	*F6	R860	*H6	R1023	*L4	R1210	*M7	R1453	*P5	TP1103	N2				
C328	*H3	C622	*C5	C904	H5	C1209	L7	D303	H2	IC510	A5			R257	E2	R471	*J2	R609	D5	R740	*F6	R861	*G7	R1025	*K5	R1211	*L7	R1454	*P5	TP1104	M3				
C329	H2	C623	*C6	C905	*H4	C1210	*L7	D304	H3	IC601	D4	Q101	*B2	R258	E2	R472	*J2	R610	*C4	R741	*F6	R900	*K3	R1029	*K5	R1212	*L7	R1455	*P5	TP1105	M3				
C330	*H2	C624	C6	C906	*H4	C1211	K7	D305	*H3	IC602	D3	Q102	*B2	R259	*E3	R473	*J3	R611	*C4	R742	*F6	R901	*K3	R1031	*K5	R1213	*L7	R1456	*P5	TP1106	M3				
C331	*H2	C625	*C6	C907	J4	C1212	L7	D307	*H3	IC603	D4	Q201	*E2	R260	*E2	R475	*K2	R612	C4	R743	*E5	R902	J4	R1032	L5	R1214	*M7	R1457	*P5	TP1107	L3				
C332	G3	C626	C7	C908	*H4	C1213	*L7	D403	J2	IC604	D3	Q202	*E2	R261	*E2	R476	*L2	R613	C4	R744	*E6	R903	J4	R1033	K5	R1215	*L7	R1458	*P5	TP1108	M3				
C333	*G3	C627	*C7	C909	*J4	C1214	E7	D404	J3	IC605	C4	Q301	*G2	R265	D2	R477	*K2	R614	*C4	R745	*E6	R904	H5	R1034	K5	R1216	L6	R1459	*P5	TP1109	L3				
C334	*G3	C628	D6	C911	H4	C1215	*M6	D500	*A4	IC606	C5	Q302	*G2	R266	D2	R478	*L2	R615	*C4	R746	*D5	R905	H5	R1035	K5	R1217	*M5	R1460	*P5	TP1110	M3				
C335	G3	C629	C6	C912	J4	C1216	*E7	D501	*B7	IC607	C5	Q401	*J2	R267	D2	R479	*L2	R616	*D4	R747	*E6	R906	H5	R1036	*K5	R1218	*M5	R1461	R5	TP1111	M4				
C336	J3	C630	C6	C913	*J4	C1217	G7	D502	*B6	IC608	D6	Q402	*K2	R268	*D3	R480	*L2	R617	*D4	R748	*E6	R907	H5	R1037	L5	R1219	*M6	R1462	R5	TP1112	M1				
C337	J3	C631	*C6	C914	*J5	C1219	*G7	D503	*B6	IC609	D6	Q500	*B4	R269	*D3	R481	*K2	R618	*D4	R749	*E5	R908	H5	R1038	K5	R1220	*M4	R1463	R5	TP1113	M2				
C338	J3	C632	C5	C915	J4	C1220	G7	D504	*B7	IC610	D5	Q501	*A4	R270	*D2	R490	*K2	R619	*D4	R750	*F5	R909	H5	R1039	K5	R1221	*M5	R1464	*P6	TP1114	M2				
C339	J3	C633	*C5	C916	*J4	C1222	*G7	D507	*A4	IC700	F3	Q502	*B7	R271	*D2	R493	*K2	R620	*D4	R751	*F5	R910	*J4	R1040	K5	R1222	*N7	R1465	*P5	TP1202	P7				
C340	G3	C634	*C6	C917	*H4	C1223	F7	D600	*C4	IC701	E4	Q600	*D4	R272	*D2	R497	*L2	R621	*D4	R752	*E5	R911	*J4	R1041	*K5	R1223	*N7	R1466	*P5	TP1203	L7				
C341	*G3	C635	D6	C918	*H4	C1224	*F7	D601	*D7	IC702	E3	Q601	*D4	R273	*D3	R500	B4	R622	*C5	R753	*F5	R912	J4	R1042	*K5	R1224	*P7	R1467	*P5	TP1204	M6				
C342	*G3	C636	D7	C919	*H4	C1225	*M4	D602	*D6	IC703	E4	Q602	*D7	R275	*F2	R501	B4	R623	*C5	R754	*E6	R913	J4	R1043	*K6	R1225	*P7	R1468	*P5						
C343	G3	C700	E4	C920	*J5	C1226	*M5	D603	*C6	IC704	E3	Q700	*E4	R276	*F2	R503	*B5	R624	C5	R755	*E6	R914	*J4	R1044	*K5	R1226	P7	R1469	P5	Z1300	N4				
C344	*F2	C701	E4	C921	J6	C1227	*M6	D604	*C7	IC705	F4	Q701	*E4	R277	*F2	R504	B5	R625	D5	R756	*E6	R915	*J4	R1045	*K5	R1227	P7	R1470	P5	Z1301	N4				
C409	L1	C702	*E4	C922	J5	C1229	R7	D607	*D4	IC706	E5	Q702	*F7	R278	*F2	R505	A5	R626	D5	R757	*E6	R916	*H4	R1046	*K6	R1228	*P7	R1471	P5	Z1302	N4				
C410	*L1	C703	F4	C923	*J5	C1230	R7	D700	*E4	IC707	E5	Q800	*G4	R279	*F2	R506	B5	R627	D5	R758	*E6	R917	*H4	R1047	*K6	R1229	*P7	R1472	*P5	Z1303	N4				
C411	K1	C704	F4	C924	*J5	C1231	R7	D701	*F7	IC708	F6	Q801	*G4	R280	*F2	R507	A5	R628	D5	R759	*E6	R920	*H4	R1048	*K5	R1230	*P7	R1473	*P5	Z1304	N4				
C412	*K1	C705	E5	C925	J6	C1232	R6	D702	*F6	IC709	F6	Q802	*G7	R281	*F2	R508	B5	R629	D5	R760	*D6	R921	*H4	R1049	*K6	R1231	*F7	R1474	*P6	Z1305	N4				
C417	*K2	C706	*E4	C926	H6	C1233	*R7	D703	*E6	IC710	E5	Q900	*H4	R290	*E2	R509	A5	R630	D5	R761	*F7	R922	*H4	R1050	*K6	R1232	*N5	R1475	*P6	Z1306	N4				
C418	*K2	C707	*E4	C927	*J6	C1234	*R6	D704	*E7	IC801	G4	Q901	*H4	R293	*E2	R510	*B4	R631	C5	R762	*F3	R923	*H4	R1051	*L6	R1233	*P7	R1476	*R6	Z1307	N4				
C419	*K2	C708	E4	C928	*J6	C1300	*N4	D707	*E4	IC802	H3	Q902	*J7	R297	*F2	R511	*B4	R632	C5	R763	*F3	R925	*J5	R1052	*K6	R1234	*R7	R1492	L2	Z1308	N4				
C420	*K3	C709	E4	C929	J6	C1301	*N5	D800	*G4	IC803	G4	Q1000	*K4	R338	*G2	R512	B4	R633	*C5	R764	*F3	R929	*J5	R1053	*L6	R1235	*M5	R1494	L2	Z1309	N4				
C421	*K3	C711	*F4	C930	H6	C1302	N5	D801	*G7	IC804	G3	Q1001	*L4	R340	G2	R513	B4	R634	*C6	R765	*F3	R931	*J5	R1054	*L5	R1240	*P7	R1496	L2	Z1310	N4				
C422	J2	C712	F4	C931	*J6	C1303	N5	D802	*G6	IC805	G4	Q1002	*L7	R341	*G2	R514	*B4	R635	*D6	R766	*F3	R932	J5	R1055	*K6	R1241	*P7	R1497	*L5	Z1311	N4				
C423	J2	C713	*F4	C932	H6	C1400	P6	D803	*G6	IC806	G5	Q1200	*R7	R342	*G2	R515	*B4	R636	*C6	R767	*F3	R933	J5	R1056	*L6	R1242	*P7	R1498	*L5	Z1312	N4				



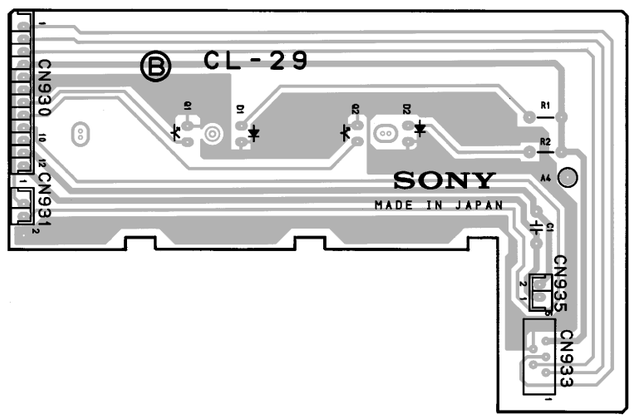
APR-40C -A SIDE-
SUFFIX: -21



APR-40C -B SIDE-
SUFFIX: -21



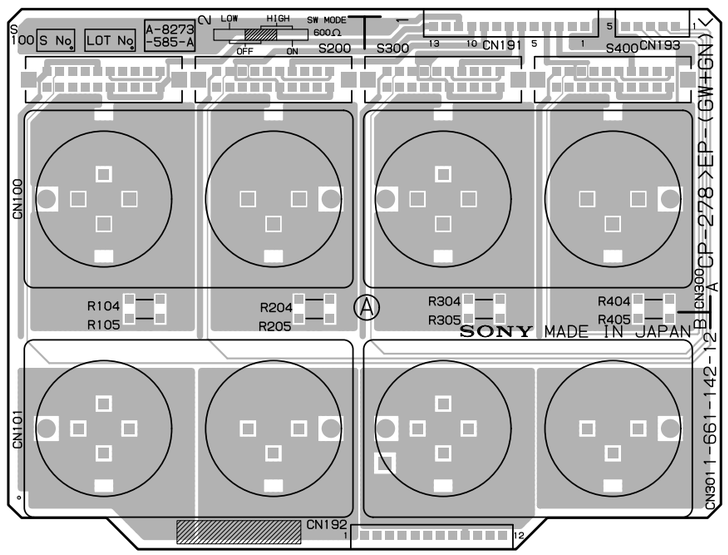
CL-29 -A SIDE-
SUFFIX: -11



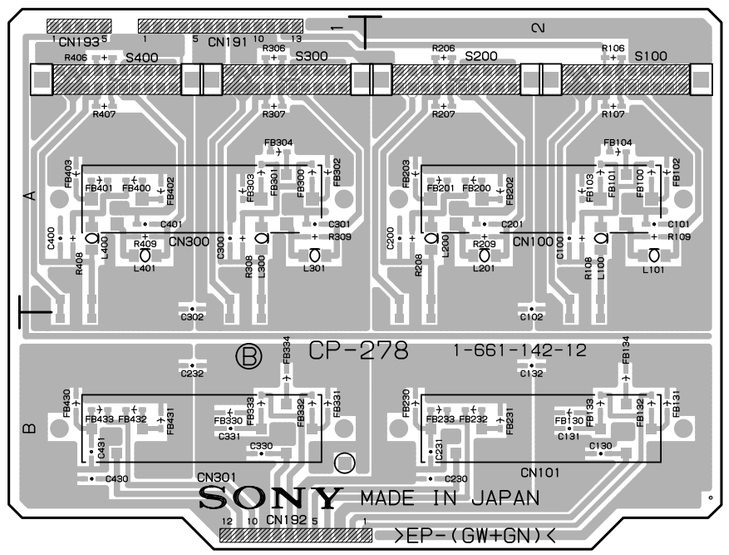
CL-29 -B SIDE-
SUFFIX: -11

CP-278 (1-661-142-12)

C100	*A2	FB201	*A2	R109	*A2
C101	*A2	FB202	*A2	R204	A2
C102	*A2	FB203	*A2	R205	B2
C130	*B2	FB230	*B2	R207	*A2
C131	*B2	FB231	*B2	R208	*A2
C132	*B2	FB232	*B2	R209	*A2
C200	*A2	FB233	*B2	R304	A1
C201	*A2	FB300	*A1	R305	B1
C230	*B2	FB301	*A1	R306	*A1
C231	*B2	FB302	*A1	R307	*A1
C232	*B1	FB303	*A1	R308	*A1
C300	*A1	FB304	*A1	R309	*A1
C301	*A1	FB330	*B1	R404	A1
C302	*A1	FB331	*B1	R405	B1
C330	*B1	FB332	*B1	R406	*A1
C331	*B1	FB333	*B1	R407	*A1
C400	*A1	FB334	*B1	R409	*A1
C401	*A1	FB400	*A1	R206	*A2
C430	*B1	FB401	*A1	R408	*A1
C431	*B1	FB402	*A1		
		FB403	*A1	S100	A2
CN100	A2	FB430	*B1	S200	A2
CN101	B2	FB431	*B1	S300	A1
CN191	A1	FB432	*B1	S400	A1
CN192	B1	FB433	*B1		
CN193	A1			*:B SIDE	
CN300	A1	L100	*A2		
CN301	B1	L101	*A2		
		L200	*A2		
FB100	*A2	L300	*A1		
FB101	*A2	L301	*A1		
FB102	*A2	L400	*A1		
FB103	*A2	L401	*A1		
FB104	*A2	L201	*A2		
FB130	*B2				
FB131	*B2	R104	A2		
FB132	*B2	R105	B2		
FB133	*B2	R106	*A2		
FB134	*B2	R107	*A2		
FB200	*A2	R108	*A2		



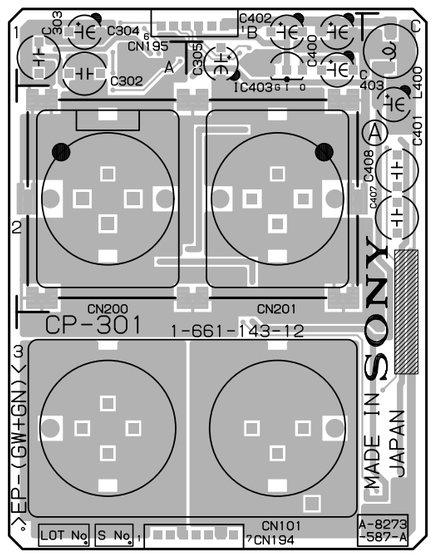
CP-278 -A SIDE-
SUFFIX: -12



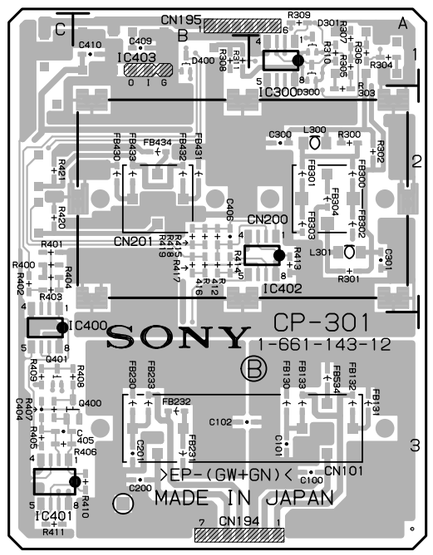
CP-278 -B SIDE-
SUFFIX: -12

CP-301 (1-661-143-12)

C100	*A3	FB300	*A2	R404	*C2
C101	*A3	FB301	*A2	R405	*C3
C102	*B3	FB302	*A2	R406	*C3
C200	*B3	FB303	*A2	R407	*C3
C201	*B3	FB304	*A2	R408	*C3
C300	*A2	FB430	*B2	R409	*C3
C301	*A2	FB431	*B2	R410	*B3
C302	A1	FB432	*B2	R411	*C3
C303	A1	FB433	*B2	R412	*B2
C304	A1	FB434	*B2	R413	*A2
C305	B1	FB534	*A3	R414	*B2
C400	B1			R415	*B2
C401	C2	IC300	*A1	R416	*B2
C402	B1	IC400	*C2	R417	*B2
C403	B1	IC401	*C3	R418	*B2
C404	*C3	IC402	*A2	R419	*B2
C405	*C3	IC403	B1	R420	*C2
C406	*B2			R421	*C2
C407	C2	L300	*A2		
C408	C2	L301	*A2	*:B SIDE	
C409	*B1	L400	C1		
C410	*B1				
		Q400	*C3		
CN101	B3	Q401	*C3		
CN194	B3				
CN195	B1	R300	*A2		
CN200	A2	R301	*A2		
CN201	B2	R302	*A2		
		R303	*A2		
D300	*A1	R304	*A1		
D301	*A1	R305	*A1		
D400	*B1	R306	*A1		
		R307	*A1		
FB130	*A3	R308	*B1		
FB131	*A3	R309	*A1		
FB132	*A3	R310	*A1		
FB133	*A3	R311	*B1		
FB230	*B3	R400	*C2		
FB231	*B3	R401	*C2		
FB232	*B3	R402	*C2		
FB233	*B3	R403	*C2		



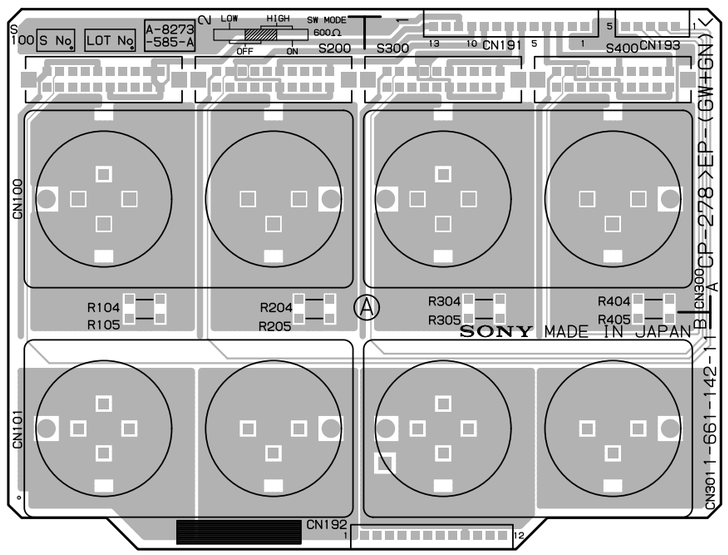
CP-301 -A SIDE-
SUFFIX: -12



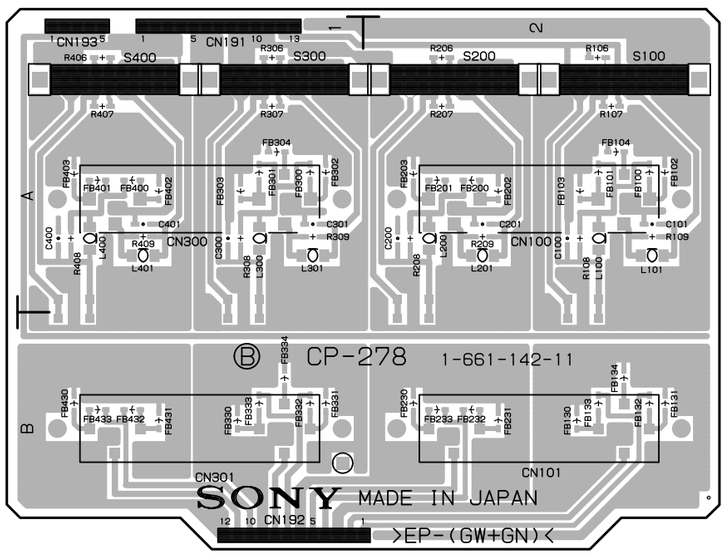
CP-301 -B SIDE-
SUFFIX: -12

CP-278 (1-661-142-11)

C100	*A2	FB330	*B1	R404	A1
C101	*A2	FB331	*B1	R405	B1
C200	*A2	FB332	*B1	R406	*A1
C201	*A2	FB333	*B1	R407	*A1
C300	*A1	FB334	*B1	R409	*A1
C301	*A1	FB400	*A1	R206	*A2
C400	*A1	FB401	*A1	R408	*A1
C401	*A1	FB402	*A1		
		FB403	*A1	S100	A2
CN100	A2	FB430	*B1	S200	A2
CN101	B2	FB431	*B1	S300	A1
CN191	A1	FB432	*B1	S400	A1
CN192	B1	FB433	*B1		
CN193	A1			*:B SIDE	
CN300	A1	L100	*A2		
CN301	B1	L101	*A2		
		L200	*A2		
FB100	*A2	L300	*A1		
FB101	*A2	L301	*A1		
FB102	*A2	L400	*A1		
FB103	*A2	L401	*A1		
FB104	*A2	L201	*A2		
FB130	*B2				
FB131	*B2	R104	A2		
FB132	*B2	R105	B2		
FB133	*B2	R106	*A2		
FB134	*B2	R107	*A2		
FB200	*A2	R108	*A2		
FB201	*A2	R109	*A2		
FB202	*A2	R204	A2		
FB203	*A2	R205	B2		
FB230	*B2	R207	*A2		
FB231	*B2	R208	*A2		
FB232	*B2	R209	*A2		
FB233	*B2	R304	A1		
FB300	*A1	R305	B1		
FB301	*A1	R306	*A1		
FB302	*A1	R307	*A1		
FB303	*A1	R308	*A1		
FB304	*A1	R309	*A1		



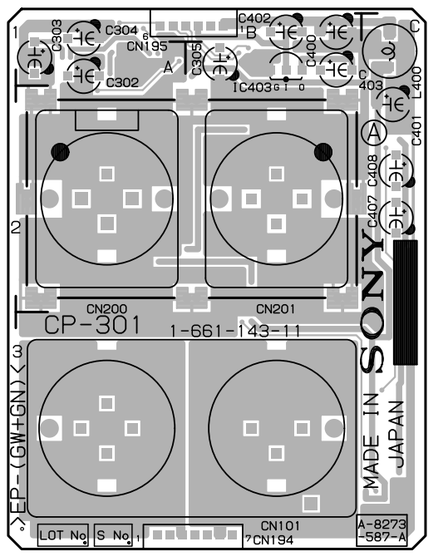
CP-278 -A SIDE-
SUFFIX: -11



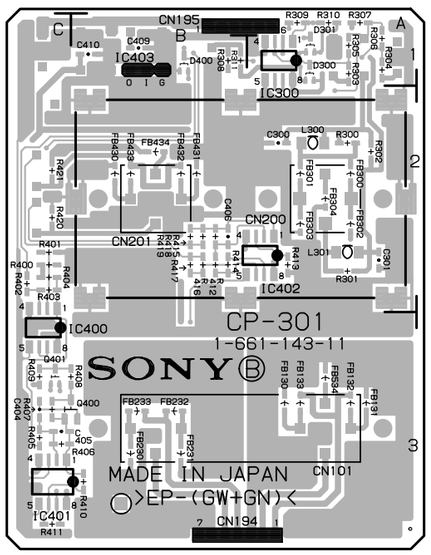
CP-278 -B SIDE-
SUFFIX: -11

CP-301 (1-661-143-11)

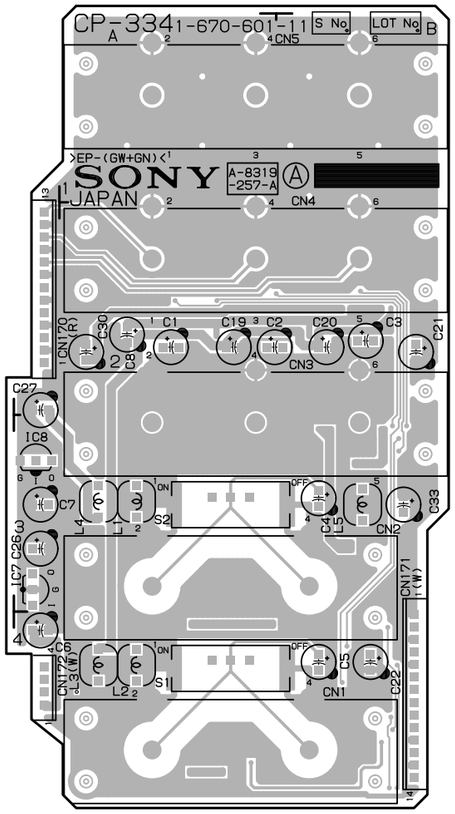
C300	*A2	FB430	*B2	R409	*C3
C301	*A2	FB431	*B2	R410	*B3
C302	A1	FB432	*B2	R411	*C3
C303	A1	FB433	*B2	R412	*B2
C304	A1	FB434	*B2	R413	*A2
C305	B1	FB534	*A3	R414	*B2
C400	B1			R415	*B2
C401	C2	IC300	*A1	R416	*B2
C402	B1	IC400	*C2	R417	*B2
C403	B1	IC401	*C3	R418	*B2
C404	*C3	IC402	*A2	R419	*B2
C405	*C3	IC403	B1	R420	*C2
C406	*B2			R421	*C2
C407	C2	L300	*A2		
C408	C2	L301	*A2	*:B SIDE	
C409	*B1	L400	C1		
C410	*B1				
		Q400	*C3		
CN101	B3	Q401	*C3		
CN194	B3				
CN195	B1	R300	*A2		
CN200	A2	R301	*A2		
CN201	B2	R302	*A2		
		R303	*A1		
D300	*A1	R304	*A1		
D301	*A1	R305	*A1		
D400	*B1	R306	*A1		
		R307	*A1		
FB130	*A3	R308	*B1		
FB131	*A3	R309	*A1		
FB132	*A3	R310	*A1		
FB133	*A3	R311	*B1		
FB230	*B3	R400	*C2		
FB231	*B3	R401	*C2		
FB232	*B3	R402	*C2		
FB233	*B3	R403	*C2		
FB300	*A2	R404	*C2		
FB301	*A2	R405	*C3		
FB302	*A2	R406	*C3		
FB303	*A2	R407	*C3		
FB304	*A2	R408	*C3		



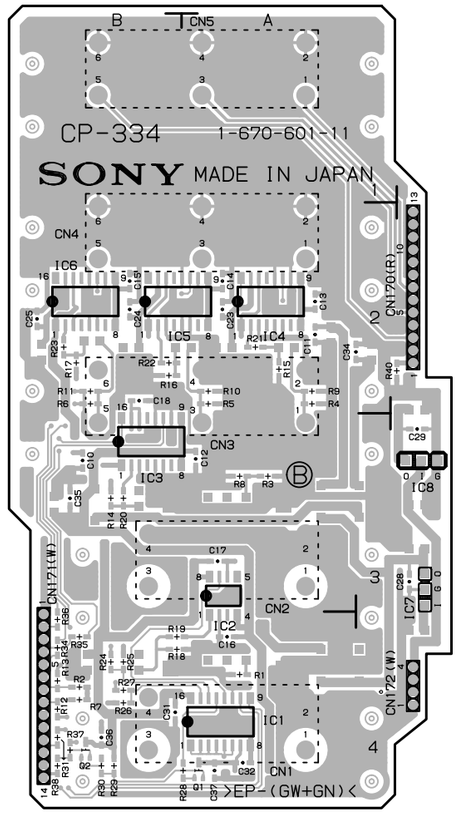
CP-301 -A SIDE-
SUFFIX: -11



CP-301 -B SIDE-
SUFFIX: -11



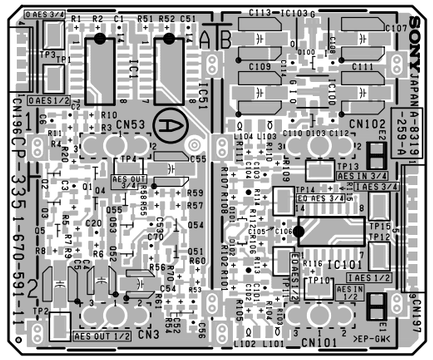
CP-334 -A SIDE-
SUFFIX: -11



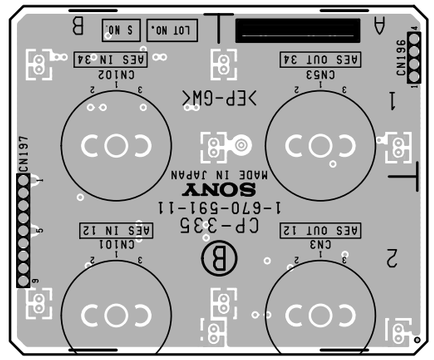
CP-334 -B SIDE-
SUFFIX: -11

CP-334 (1-670-601-11)

C1	A2	C30	A2	L2	A4	R21	*A2
C2	A2	C31	*B4	L3	A4	R22	*B2
C3	B2	C32	*A4	L4	A3	R23	*B2
C4	B3	C33	B3	L5	B3	R24	*B4
C5	B4	C34	*A2			R25	*B4
C6	A4	C35	*B3	Q1	*A4	R26	*B4
C7	A3	C36	*B4	Q2	*B4	R27	*B4
C8	A2	C37	*A4			R28	*A4
C10	*B3			R1	*A4	R29	*B4
C11	*A2	CN1	A4	R2	*B4	R30	*B4
C12	*A3	CN2	A3	R3	*A3	R31	*B4
C13	*A2	CN3	A2	R4	*A2	R34	*B4
C14	*A2	CN4	A2	R5	*A2	R35	*B4
C15	*B2	CN5	A1	R6	*B2	R36	*B4
C16	*A4	CN170	A2	R7	*B4	R37	*B4
C17	*A3	CN171	B4	R8	*A3	R38	*B4
C18	*B2	CN172	A4	R9	*A2	R40	*A2
C19	A2			R10	*A2		
C20	B2	IC1	*A4	R11	*B2	S1	A4
C21	B2	IC2	*A4	R12	*B4	S2	A3
C22	B4	IC3	*B3	R13	*B4		
C23	*A2	IC4	*A2	R14	*B3	*:B SIDE	
C24	*B2	IC5	*B2	R15	*A2		
C25	*B2	IC6	*B2	R16	*B2		
C26	A3	IC7	A3	R17	*B2		
C27	A2	IC8	A3	R18	*B4		
C28	*A3			R19	*B4		
C29	*A3	L1	A3	R20	*B3		



CP-335 -A SIDE-
SUFFIX: -11



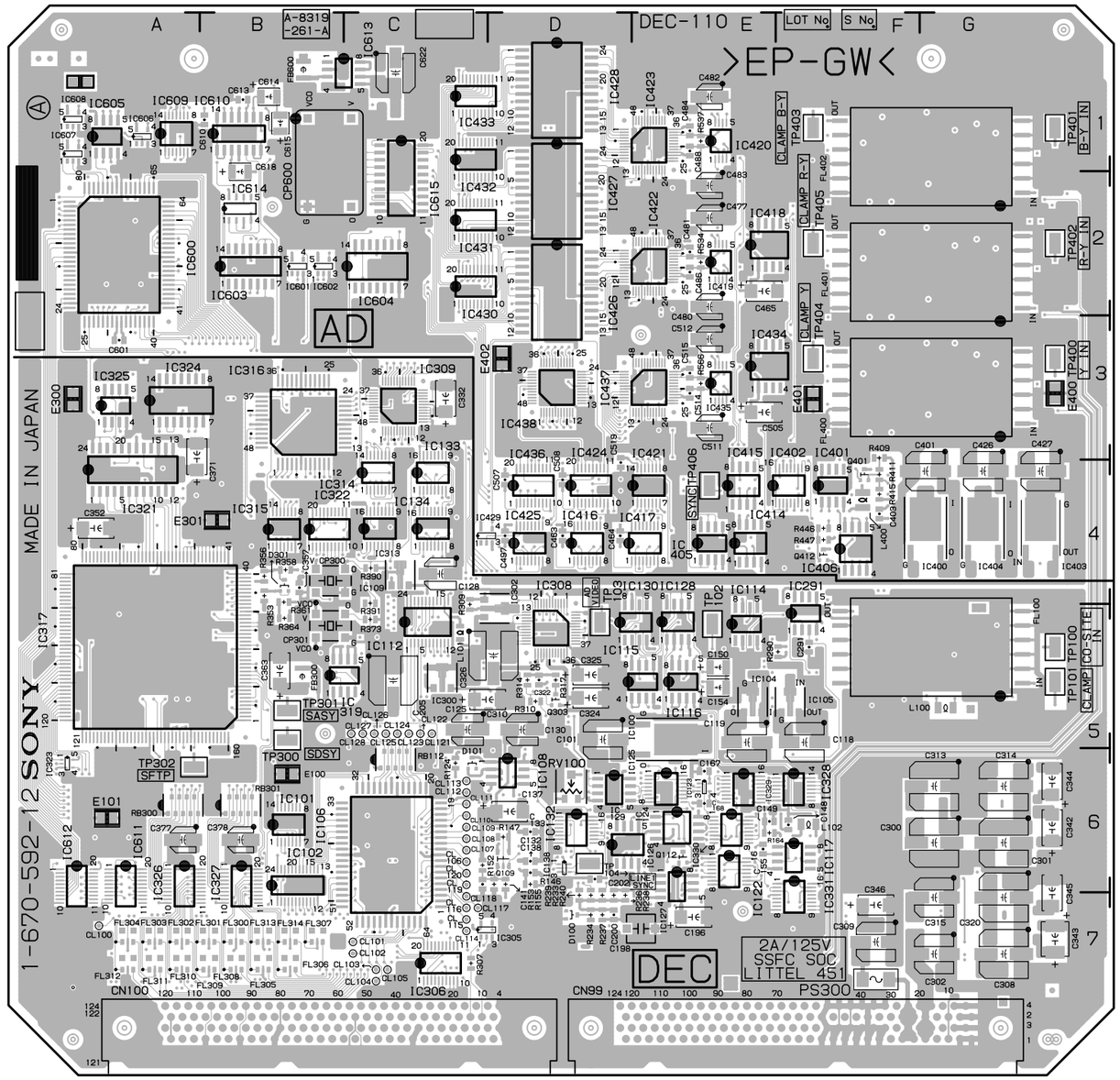
CP-335 -B SIDE-
SUFFIX: -11

CP-335 (1-670-591-11)

C1	A1	E1	B2	R54	A2		
C2	A1	E2	B1	R55	A2		
C3	A2			R56	A2		
C4	A2	IC1	A1	R57	A2		
C5	A2	IC51	A1	R58	A2		
C6	A1	IC100	B1	R59	A2		
C20	A2	IC101	B2	R60	A2		
C51	A1	IC103	B1	R61	A2		
C52	A2			R70	A2		
C53	A2	L101	B2	R101	B2		
C54	A2	L102	B2	R102	B2		
C55	A1	L103	B1	R103	B2		
C56	A2	L104	B1	R104	B2		
C70	A2			R105	B2		
C101	B2	Q1	A1	R106	B2		
C102	B2	Q2	A1	R107	B1		
C103	B1	Q3	A2	R108	B2		
C104	B2	Q4	A2	R109	B1		
C105	B2	Q5	A2	R110	B1		
C106	B2	Q51	A2	R111	B1		
C107	B1	Q52	A2	R112	B2		
C108	B1	Q53	A2	R113	B2		
C109	B1	Q54	A2	R114	B2		
C110	B1	Q55	A2	R115	B2		
C111	B1			R116	B2		
C112	B1	R1	A1				
C113	B1	R2	A1	TP1	A1		
C114	B1	R3	A1	TP2	A2		
		R4	A1	TP3	A1		
CN3	*A2	R5	A2	TP4	A1		
CN53	*A1	R6	A2	TP10	B2		
CN101	*B2	R7	A2	TP11	B2		
CN102	*B1	R8	A2	TP12	B2		
CN196	A1	R9	A2	TP13	B1		
CN197	B2	R10	A1	TP14	B2		
		R11	A1	TP15	B2		
D100	B1	R20	A1				
D101	B2	R51	A1	*:B SIDE			
D102	B2	R52	A1				
D103	B1	R53	A2				

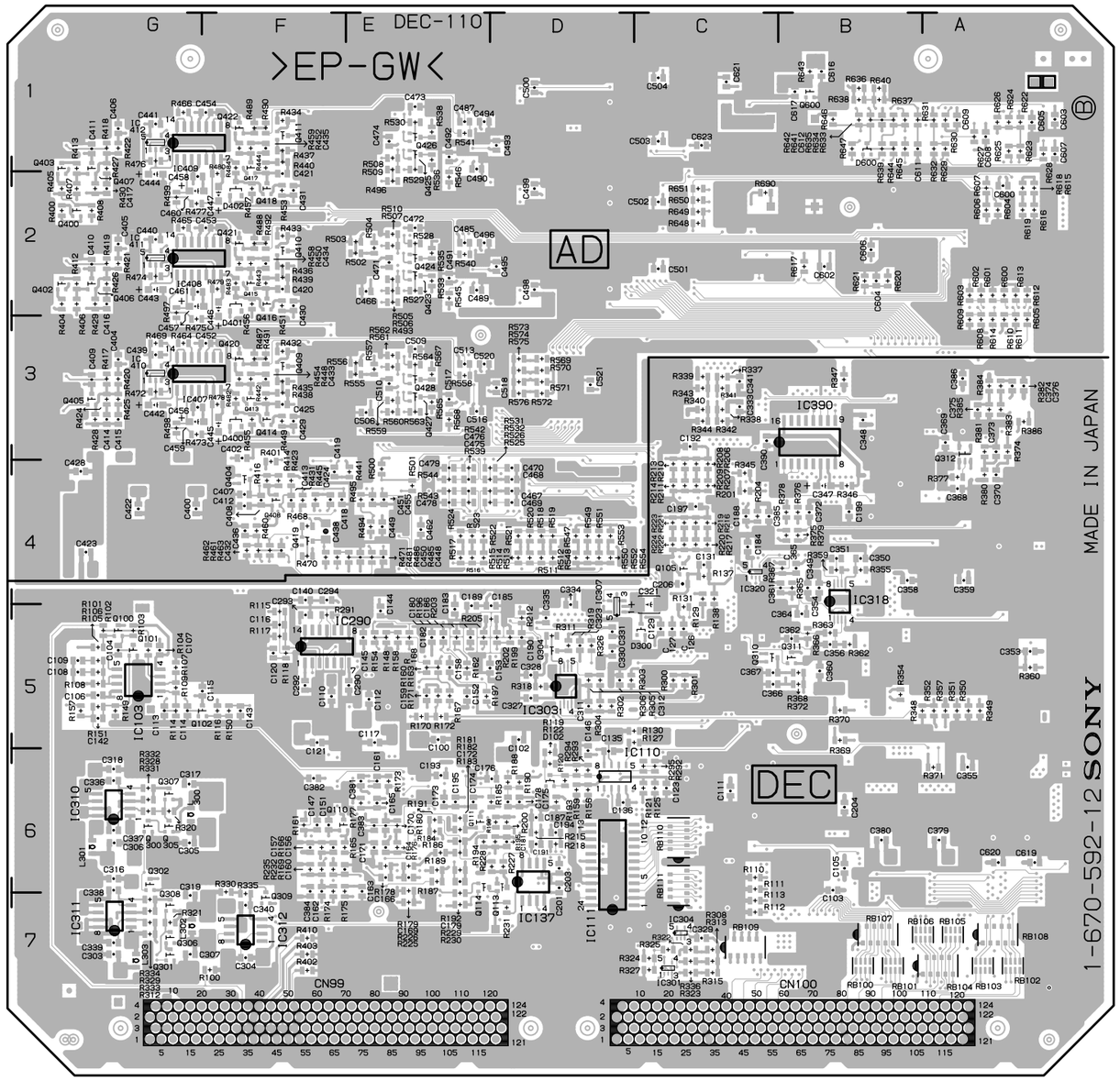
DEC-110 (1-670-592-12)

C100	*E5	C197	*C4	C377	A6	C482	E1	CL127	C5	IC309	C3	Q102	*F5	R155	D6
C101	D5	C198	E7	C378	B6	C483	E2	CL128	C5	IC310	*G6	Q105	*C4	R156	*D6
C102	*D5	C199	*B4	C379	*A6	C484	E1			IC311	*G7	Q109	D6	R157	*G5
C103	*B6	C200	D7	C380	*B6	C485	*E2	CN99	F7	IC312	*F7	Q110	*F6	R158	*E5
C104	*G5	C201	*D6	C381	*E6	C486	E2	CN100	B7	IC313	C4	Q111	*E6	R159	*D6
C105	*B6	C202	D6	C382	*F6	C487	*E1			IC314	C4	Q112	E6	R160	*E5
C106	*G5	C203	*D6	C383	*E6	C488	E1	CP300	B4	IC315	B4	Q113	*D6	R161	*F6
C107	*G5	C204	*B6	C384	*F6	C489	*E2	CP301	B5	IC316	B3	Q114	*E6	R162	*E5
C108	*G5	C205	C5	C385	*C4	C490	*E1	CP600	B1	IC317	A5	Q300	*G6	R163	*E5
C109	*G5	C206	*C4	C386	*A3	C491	*E2			IC318	*B5	Q301	*G7	R164	E6
C110	*F5	C290	*E5	C390	*C3	C492	*E1	D100	D7	IC319	C5	Q302	*G6	R165	*F6
C111	*C6	C291	F5	C400	*G4	C493	*D1	D101	C6	IC320	*C4	Q303	D5	R166	*F6
C112	*E5	C292	*F5	C401	G4	C494	*E1	D102	*D6	IC321	A4	Q304	*D5	R167	*E5
C113	*G5	C293	*F5	C402	*F3	C495	*D2	D300	*C5	IC322	B4	Q305	*G6	R168	*E5
C114	*G5	C294	*F4	C403	F4	C496	*E2	D301	B4	IC323	A6	Q306	*G7	R169	*F6
C115	*F5	C300	G6	C404	*G3	C497	D4	D400	*F3	IC324	A3	Q307	*G6	R170	*E5
C116	*F5	C301	G6	C405	*G2	C498	*D2	D401	*F2	IC325	A3	Q308	*G7	R171	*E5
C117	*E5	C302	G7	C406	*G1	C499	*D2	D402	*F2	IC326	A6	Q309	*F7	R172	*E5
C118	F5	C303	*G7	C407	*F4	C500	*D1	D600	*B1	IC327	B6	Q310	*C5	R173	*E6
C119	E5	C304	*F7	C408	*F4	C501	*C2			IC328	F6	Q311	*B5	R174	*F6
C120	*F5	C305	*G6	C409	*G3	C502	*C2	E100	B6	IC329	E6	Q312	*A3	R175	*F6
C121	*F5	C306	*G6	C410	*G2	C503	*C1	E101	A6	IC330	E6	Q400	*G2	R176	*E6
C123	*C6	C307	*G7	C411	*G1	C504	*C1	E300	A3	IC331	F6	Q401	F4	R177	*E6
C125	C5	C308	G7	C412	*F4	C505	E3	E301	B4	IC390	*B4	Q402	*G2	R178	*E6
C126	*C5	C309	F7	C413	*F4	C506	*E3	E400	G3	IC400	G4	Q403	*G1	R179	*E6
C127	*C5	C310	D5	C414	*G3	C507	D4	E401	F3	IC401	F4	Q404	*F4	R180	*E6
C128	C4	C311	*D5	C415	*G3	C508	D4	E402	D3	IC402	F4	Q405	*G3	R181	*E6
C129	*C5	C312	*D5	C416	*G2	C509	*E3			IC403	G4	Q406	*G2	R182	*E6
C130	D5	C313	G6	C417	*G2	C510	*E3	FB300	B5	IC404	G4	Q407	*G1	R183	*E6
C131	*C4	C314	G6	C418	*F4	C511	E3	FB600	B1	IC405	E4	Q408	*F4	R184	*E6
C132	D6	C315	G7	C419	*F4	C512	E3			IC406	F4	Q409	*F3	R185	*D6
C133	D6	C316	*G6	C420	*F2	C513	*E3	FL100	G5	IC407	*G3	Q410	*F2	R186	*E6
C135	*D6	C317	*G6	C421	*F2	C514	E3	FL300	B7	IC408	*G2	Q411	*F1	R187	*E6
C136	*D6	C318	*G6	C422	*G4	C515	E3	FL301	B7	IC409	*G1	Q412	F4	R188	*D6
C137	D6	C319	*G7	C423	*G4	C516	*E3	FL302	A7	IC410	*G3	Q413	*F3	R189	*E6
C138	D6	C320	G7	C424	*F4	C517	*E3	FL303	A7	IC411	*G2	Q414	*F3	R190	*D6
C140	*F4	C321	*C5	C425	*F3	C518	*D3	FL304	A7	IC412	*G1	Q415	*F2	R191	*E6
C141	C6	C322	D5	C426	G4	C519	D4	FL305	B7	IC414	E4	Q416	*F2	R192	*E6
C142	*G5	C323	*D5	C427	G4	C520	*E3	FL306	B7	IC415	E4	Q417	*F1	R193	*D6
C143	*F5	C324	D5	C428	*G4	C521	*D3	FL307	B7	IC416	D4	Q418	*F2	R194	*E6
C144	*E5	C325	D5	C429	*F3	C600	*A2	FL308	B7	IC417	E4	Q419	*F4	R195	*D6
C145	*E5	C326	D5	C430	*F2	C601	A3	FL309	B7	IC418	E2	Q420	*F3	R196	*E5
C146	*D6	C327	*D5	C431	*F2	C602	*B2	FL310	A7	IC419	E2	Q421	*F2	R197	*E5
C147	*F6	C328	*D5	C432	*F4	C603	*A1	FL311	A7	IC420	E1	Q422	*F1	R198	*D6
C148	F6	C329	*C7	C433	*F3	C604	*B2	FL312	A7	IC421	E4	Q423	*E2	R199	*D5
C149	E6	C330	*D5	C434	*F2	C605	*A1	FL313	B7	IC422	E2	Q424	*E2	R200	*D6
C150	E5	C331	*D5	C435	*F1	C606	*B2	FL314	B7	IC423	E1	Q425	*E1	R201	*C4
C151	*F6	C332	C3	C436	*F4	C607	*A1	FL400	G3	IC424	D4	Q426	*E1	R202	*D5
C152	*E5	C333	*C3	C438	*F4	C608	*A1	FL401	G2	IC425	D4	Q427	*E3	R203	*E5
C153	*E5	C334	*D5	C439	*G3	C609	*A1	FL402	G1	IC426	D2	Q428	*E3	R204	*C4
C154	E5	C335	*D5	C440	*G2	C610	B1			IC427	D1	Q600	*B1	R205	*D5
C155	E6	C336	*G6	C441	*G1	C611	*B1	IC100	E5	IC428	D1			R206	*C4
C156	*F6	C337	*G6	C442	*G3	C612	*B1	IC101	B6	IC429	C4	R100	*F7	R207	*C4
C157	*F6	C338	*G6	C443	*G2	C613	B1	IC102	B7	IC430	C2	R101	*G5	R208	*C4
C158	*E5	C339	*G7	C444	*G2	C614	B1	IC103	*G5	IC431	C2	R102	*G5	R209	*C4
C159	*E5	C340	*F7	C445	*F3	C615	B1	IC104	E5	IC432	C2	R103	*G5	R210	*C4
C160	*F6	C341	*C3	C446	*F2	C616	*B1	IC105	F5	IC433	C1	R104	*G5	R211	*C4
C161	*E6	C342	G6	C447	*F2	C617	*B1	IC106	C6	IC434	E3	R105	*G5	R212	*D5
C162	*F6	C343	G7	C448	*E4	C618	B2	IC108	D6	IC435	E3	R106	*G5	R213	*C4
C163	*E6	C344	G6	C449	*E4	C619	*A6	IC109	C4	IC436	D4	R107	*G5	R214	*C4
C164	*E6	C345	G7	C450	*E4	C620	*A6	IC110	*D6	IC437	E3	R108	*G5	R215	*D6
C165	*E6	C346	F7	C451	*E4	C621	*C1	IC111	*D7	IC438	D3	R109	*G5	R216	*C4
C166	*E6	C347	*B4	C452	*F3	C622	C1	IC112	C5	IC600	A2	R110	*C6	R217	*C4
C167	E6	C348	*B3	C453	*F2	C623	*C1	IC114	E5	IC601	B2	R111	*C6	R218	*D6
C168	E6	C349	*B4	C454	*F1			IC115	E5	IC602	B2	R112	*C7	R219	*C4
C169	*E6	C350	*B4	C455	*E4	CL100	A7	IC116	E5	IC603	B2	R113	*C7	R220	*C4
C170	*E6	C351	*B4	C456	*G3	CL101	C7	IC117	F6	IC604	C2	R114	*G5	R221	*C4
C171	*E6	C352	A4	C457	*G2	CL102	C7	IC122	E6	IC605	A1	R115	*F5	R222	*C4
C172	*E6	C353	*A5	C458	*G2	CL103	C7	IC123	E6	IC606	A1	R116	*F5	R223	*C4
C173	*E6	C354	*B4	C459	*G3	CL104	C7	IC124	E6	IC607	A1	R117	*F5	R224	*C4
C174	*E6	C355	*A6	C460	*G2	CL105	C7	IC125	D6	IC608	A1	R118	*F5	R225	*E7
C175	*D6	C356	*B5	C461	*G2	CL106	C6	IC126	E6	IC609	A1	R119	*D6	R226	*E6
C176	*D6	C357	B4	C462	*E4	CL107	C6	IC127	E6	IC610	B1	R120	*D6	R227	*D6
C178	*D6	C358	*B4	C463	D4	CL108	C6	IC128	E5	IC611	A6	R121	*C6	R228	*D6
C179	*E6	C359	*A4	C464	D4	CL109	C6	IC129	D6	IC612	A6	R122	*D6	R229	*E7
C180	*E5	C360	*B5	C465	E2	CL110	C6	IC130	D5	IC613	C1	R124	C6	R230	*E7
C181	*D6	C361	*B4	C466	*E2	CL111	C6	IC132	D6	IC614	B2	R125	*C6	R231	*D7
C182	*E5	C362	*B5	C467	*D4	CL112	C6	IC133	C4	IC615	C1	R127	*D5	R232	*F6
C183	*E5	C363	B5	C468	*D4	CL113	C6	IC134	C4			R129	*C4	R233	D7
C184	*C4	C364	*B5	C469	*D4	CL114	C7	IC137	*D7	L100	G5	R130	*D5	R234	D7
C185	*D5	C365	*B4	C470	*D4	CL115	C7	IC138	D6	L101	C5	R131	*C5	R235	*F6
C186	*E5	C366	*C5	C471	*E2	CL116	C7	IC290	*F5	L102	F6	R137	*C4	R236	D7
C187	*D6	C367	*C5	C472	*E2	CL117	C7	IC291	F5	L300	*G6	R138	*C4	R237	D7
C188	*C4	C368	*A4	C473	*E1	CL118	C7	IC300	C5	L301	*G6	R146	D6	R238	D7
C189	*E5	C369	*A3	C474	*E1	CL119	C6	IC301	*C7	L302	*G7	R147	D6	R239	D7
C190	*D5	C370	*A4	C475	*E4	CL120	C6	IC302	D5	L303	*G7	R148	*E5	R240	D7
C191	*D6	C371	A3	C476	*E4	CL121	C5	IC303	*D5	L400	F4	R149	*G5	R290	F5
C192	*C3	C372	*B4	C477	E2	CL122	C5	IC304	*C7			R150	*F5	R291	*F5
C193	*E6	C373	*A3	C478	*E4	CL123	C5	IC305	C7	PS300	F7	R151	*G5	R292	*C6
C194	*D6	C374	*A3	C479	*E4	CL124	C5	IC306	C7			R152	C6	R293	*D6
C195	*E6	C375	*A3	C480	E2	CL125	C5	IC307	*D5	Q100	*G5	R153	D6	R294	*D6
C196	E7	C376	*A3	C481	E2	CL126	C5	IC308	D5	Q101	*G5	R154	*E5	R295	*C6



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http://getMANUAL.com



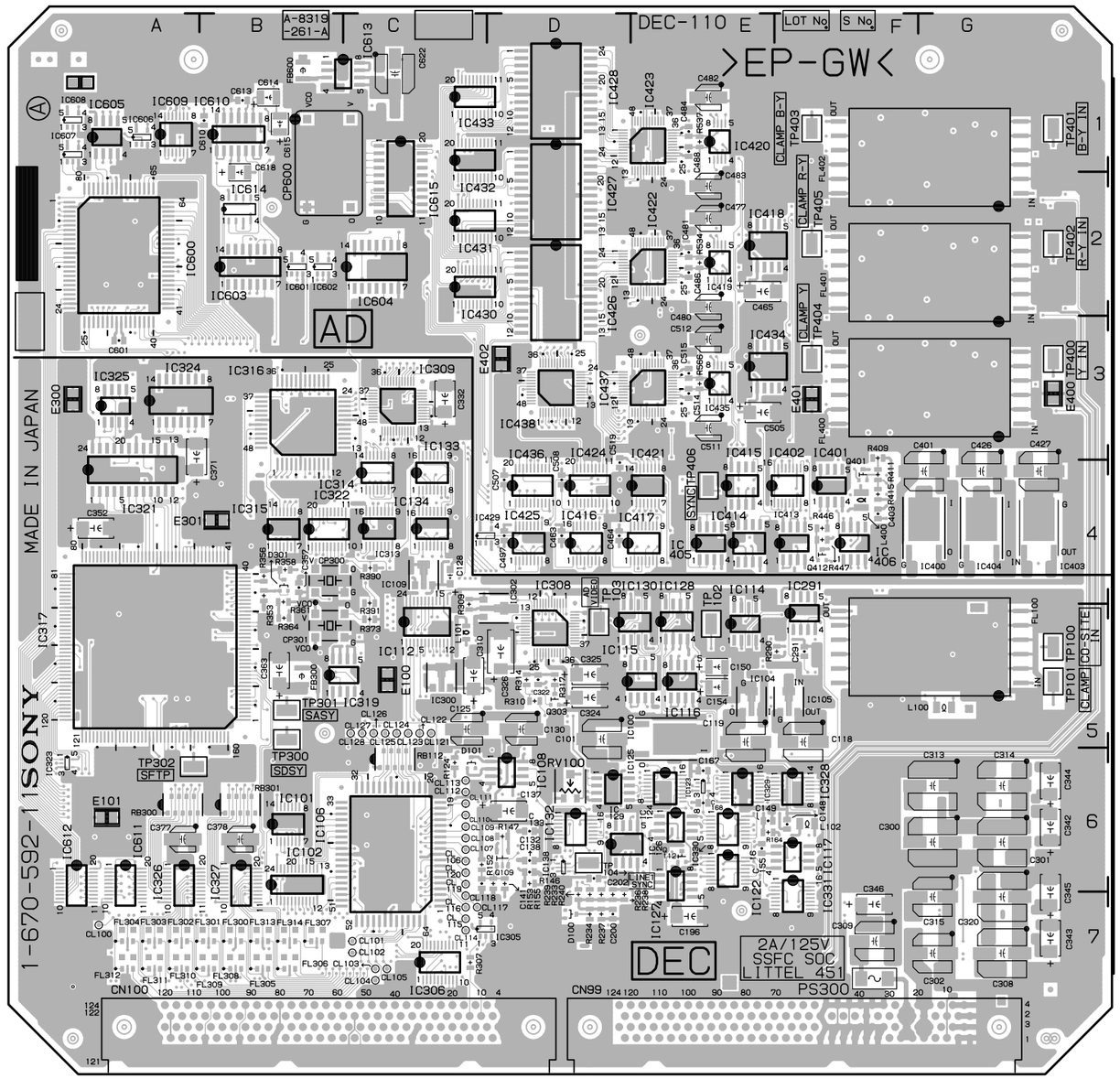
DEC-110 -B SIDE-

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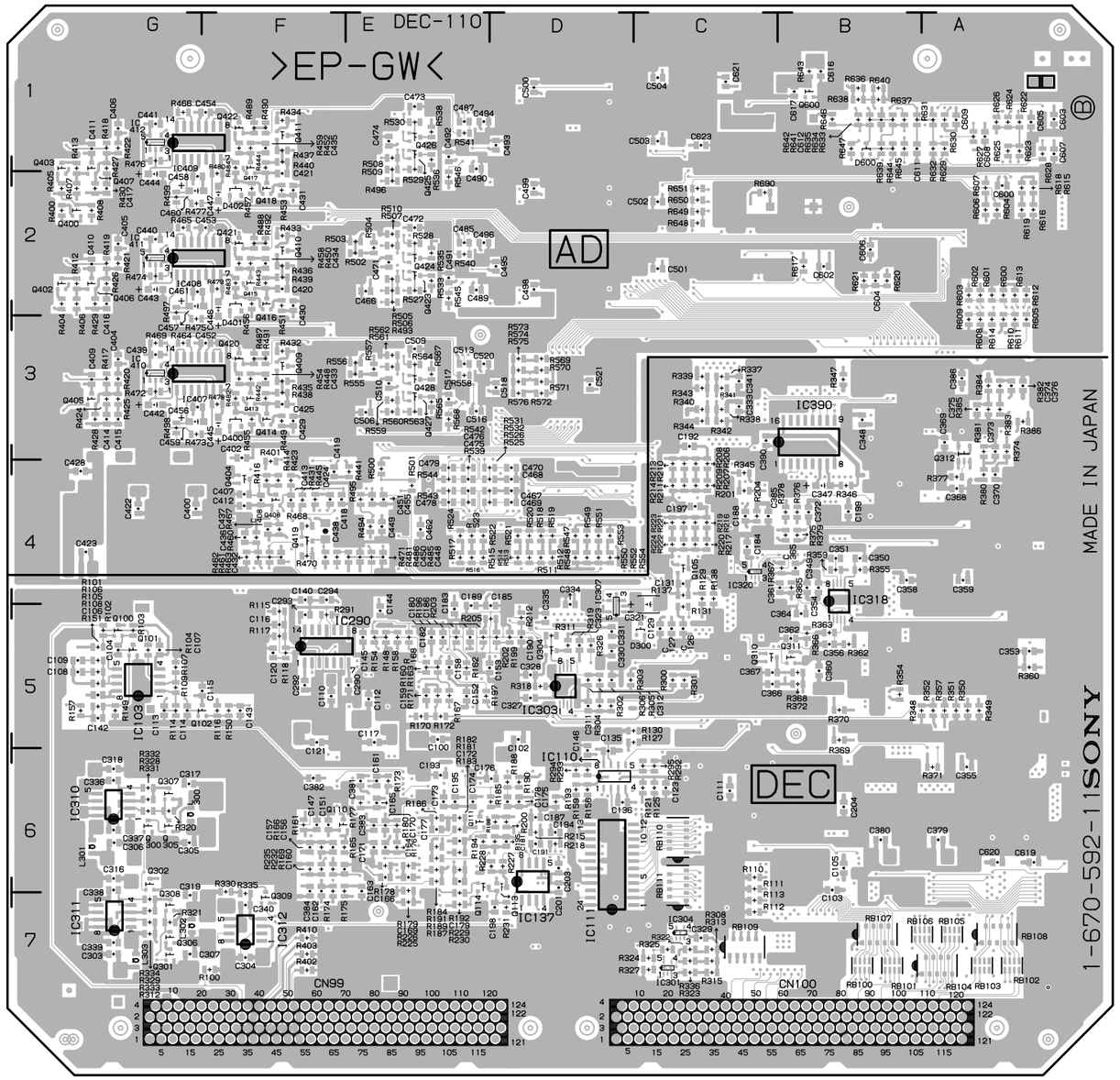
R300	*C5	R404	*G2	R497	*G2	R612	*A2
R301	*C5	R405	*G2	R498	*G2	R613	*A2
R302	*D5	R406	*G2	R499	*G2	R614	*A3
R303	*D5	R407	*G2	R500	*E4	R615	*A2
R304	*D5	R408	*G2	R501	*E4	R616	*A2
R305	*D5	R409	F3	R502	*E2	R617	*B2
R306	*D5	R410	*F7	R503	*E2	R618	*A2
R307	C7	R411	F4	R504	*E2	R619	*A2
R308	*C7	R412	*G2	R505	*E2	R620	*B2
R309	C5	R413	*G1	R506	*E2	R621	*B2
R310	D5	R414	*F4	R507	*E2	R622	*A1
R311	*D5	R415	F4	R508	*E1	R623	*A1
R312	*G7	R416	*F4	R509	*E1	R624	*A1
R313	*C7	R417	*G3	R510	*E2	R625	*A1
R314	D5	R418	*G1	R511	*D4	R626	*A1
R315	*C7	R419	*G2	R512	*D4	R627	*A1
R317	D5	R420	*G3	R513	*D4	R628	*A1
R318	*D5	R421	*G2	R514	*D4	R629	*A1
R319	*D5	R422	*G1	R515	*E4	R630	*A1
R320	*G6	R423	*F4	R516	*E4	R631	*A1
R321	*G7	R424	*G3	R517	*E4	R632	*A1
R322	*C7	R425	*G3	R518	*D4	R633	*B1
R323	*C7	R426	*G2	R519	*D4	R634	*B1
R324	*C7	R427	*G1	R520	*D4	R635	*B1
R325	*C7	R428	*G3	R521	*D4	R636	*B1
R326	*D5	R429	*G2	R522	*E4	R637	*B1
R327	*C7	R430	*G2	R523	*E4	R638	*B1
R328	*G6	R431	*F4	R524	*E4	R639	*B1
R329	*G7	R432	*F3	R525	*E4	R640	*B1
R330	*F6	R433	*F2	R526	*E4	R641	*B1
R331	*G6	R434	*F1	R527	*E2	R642	*B1
R332	*G6	R435	*F3	R528	*E2	R643	*B1
R333	*G7	R436	*F2	R529	*E1	R644	*B1
R334	*G7	R437	*F1	R530	*E1	R645	*B1
R335	*F7	R438	*F3	R531	*E4	R646	*B1
R336	*C7	R439	*F2	R532	*E4	R647	*B1
R337	*C3	R440	*F1	R533	*E2	R648	*C2
R338	*C3	R441	*E4	R534	*E2	R649	*C2
R339	*C3	R442	*F3	R535	*E2	R650	*C2
R340	*C3	R443	*F2	R536	*E1	R651	*C2
R341	*C3	R444	*F1	R537	E1	R690	*C2
R342	*C3	R445	*F4	R538	*E1		
R343	*C3	R446	F4	R539	*E4	RB100	*B7
R344	*C3	R447	F4	R540	*E2	RB101	*B7
R345	*C4	R448	*F3	R541	*E1	RB102	*A7
R346	*B4	R449	*F3	R542	*E4	RB103	*A7
R347	*B3	R450	*F2	R543	*E4	RB104	*A7
R348	*B5	R451	*F2	R544	*E4	RB105	*A7
R349	*A5	R452	*F1	R545	*E2	RB106	*A7
R350	*A5	R453	*F2	R546	*E2	RB107	*B7
R351	*A5	R454	*F3	R547	*D4	RB108	*A7
R352	*A5	R455	*F3	R548	*D4	RB109	*C7
R353	B4	R456	*F2	R549	*D4	RB110	*C6
R354	*B5	R457	*F2	R550	*D4	RB111	*C6
R355	*B4	R458	*F2	R551	*D4	RB112	C6
R356	B4	R459	*F1	R552	*D4	RB300	A6
R357	*A5	R460	*F4	R553	*D4	RB301	B6
R358	B4	R461	*F4	R554	*D4		
R359	*B4	R462	*F4	R555	*E3	RV100	D6
R360	*A5	R463	*F4	R556	*E3		
R361	B4	R464	*G3	R557	*E3	TP100	G5
R362	*B5	R465	*G2	R558	*E3	TP101	G5
R363	*B5	R466	*G1	R559	*E3	TP102	E5
R364	B5	R468	*F4	R560	*E3	TP103	D5
R365	*B4	R469	*G3	R561	*E3	TP104	D6
R366	*B5	R470	*F4	R562	*E3	TP300	B5
R367	*B4	R471	*F4	R563	*E3	TP301	B5
R368	*B5	R472	*G3	R564	*E3	TP302	A6
R369	*B5	R473	*G3	R565	*E3	TP400	G3
R370	*B5	R474	*G2	R566	E3	TP401	G1
R371	*A6	R475	*G3	R567	*E3	TP402	G2
R372	*B5	R476	*G1	R568	*E3	TP403	F1
R373	C5	R477	*G2	R569	*D3	TP404	F3
R374	*A3	R478	*F3	R570	*D3	TP405	F2
R375	*B4	R479	*F2	R571	*D3	TP406	E4
R376	*B4	R480	*F2	R572	*D3		
R377	*A4	R481	*F4	R573	*D3	*:B SIDE	
R378	*B4	R482	*F3	R574	*D3		
R379	*B4	R483	*F2	R575	*D3		
R380	*A4	R484	*F1	R576	*D3		
R381	*A3	R485	*E4	R600	*A2		
R382	*A3	R486	*E4	R601	*A2		
R383	*A3	R487	*F3	R602	*A2		
R384	*A3	R488	*F2	R603	*A2		
R385	*A3	R489	*F1	R604	*A2		
R386	*A3	R490	*F1	R605	*A3		
R390	C4	R491	*F3	R606	*A2		
R391	C4	R492	*F2	R607	*A2		
R400	*G2	R493	*E2	R608	*A3		
R401	*F4	R494	*E4	R609	*A3		
R402	*F7	R495	*E4	R610	*A3		
R403	*F7	R496	*E2	R611	*A3		

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C100	*E5	C196	E7	C378	B6	C482	E1	CL127	C5	IC310	*G6	Q102	*F5	R158	*E5
C101	D5	C197	*C4	C379	*A6	C483	E2	CL128	C5	IC311	*G7	Q105	*C4	R159	*D6
C102	*D5	C198	*D7	C380	*B6	C484	E1			IC312	*F7	Q109	D6	R160	*E5
C103	*B6	C199	*B4	C381	*E6	C485	*E2	CN99	F7	IC313	C4	Q110	*F6	R161	*F6
C104	*G5	C200	D7	C382	*F6	C486	E2	CN100	B7	IC314	C4	Q111	*E6	R162	*E5
C105	*B6	C201	*D6	C383	*E6	C487	*E1			IC315	B4	Q112	E6	R163	*E5
C106	*G5	C202	D6	C384	*F6	C488	E1	CP300	B4	IC316	B3	Q113	*D6	R164	E6
C107	*G5	C203	*D6	C385	*C4	C489	*E2	CP301	B5	IC317	A5	Q114	*E6	R165	*F6
C108	*G5	C204	*B6	C386	*A3	C490	*E1	CP600	B1	IC318	*B5	Q300	*G6	R166	*F6
C109	*G5	C290	*E5	C390	*C3	C491	*E2			IC319	C5	Q301	*G7	R167	*E5
C110	*F5	C291	F5	C400	*G4	C492	*E1	D100	D7	IC320	*C4	Q302	*G6	R168	*E5
C111	*C6	C292	*F5	C401	G4	C493	*D1	D101	C6	IC321	A4	Q303	D5	R169	*F6
C112	*E5	C293	*F5	C402	*F3	C494	*E1	D300	*C5	IC322	B4	Q304	*D5	R170	*E5
C113	*G5	C294	*F4	C403	F4	C495	*D2	D301	B4	IC323	A6	Q305	*G6	R171	*E5
C114	*G5	C300	G6	C404	*G3	C496	*E2	D400	*F3	IC324	A3	Q306	*G7	R172	*E5
C115	*F5	C301	G6	C405	*G2	C497	D4	D401	*F2	IC325	A3	Q307	*G6	R173	*E6
C116	*F5	C302	G7	C406	*G1	C498	*D2	D402	*F2	IC326	A6	Q308	*G7	R174	*F6
C117	*E5	C303	*G7	C407	*F4	C499	*D2	D600	*B1	IC327	B6	Q309	*F7	R175	*F6
C118	F5	C304	*F7	C408	*F4	C500	*D1			IC328	F6	Q310	*C5	R176	*E6
C119	E5	C305	*G6	C409	*G3	C501	*C2	E100	C5	IC329	E6	Q311	*B5	R177	*E6
C120	*F5	C306	*G6	C410	*G2	C502	*C2	E101	A6	IC330	E6	Q312	*A3	R178	*E6
C121	*F5	C307	*G7	C411	*G1	C503	*C1	E300	A3	IC331	F6	Q400	*G2	R179	*E6
C123	*C6	C308	G7	C412	*F4	C504	*C1	E301	B4	IC390	*B4	Q401	F4	R180	*E6
C125	C5	C309	F7	C413	*F4	C505	E3	E400	G3	IC400	G4	Q402	*G2	R181	*E6
C126	*C5	C310	C5	C414	*G3	C506	*E3	E401	F3	IC401	F4	Q403	*G1	R182	*E6
C127	*C5	C311	*D5	C415	*G3	C507	D4	E402	D3	IC402	F4	Q404	*F4	R183	*E6
C128	C4	C312	*D5	C416	*G2	C508	D4			IC403	G4	Q405	*G3	R184	*E6
C129	*C5	C313	G6	C417	*G2	C509	*E3	FB300	B5	IC404	G4	Q406	*G2	R185	*D6
C130	D5	C314	G6	C418	*F4	C510	*E3	FB600	B1	IC405	E4	Q407	*G1	R186	*E6
C131	*C4	C315	G7	C419	*F4	C511	E3			IC406	F4	Q408	*F4	R187	*E6
C132	D6	C316	*G6	C420	*F2	C512	E3	FL100	G5	IC407	*G3	Q409	*F3	R188	*D6
C133	D6	C317	*G6	C421	*F2	C513	*E3	FL300	B7	IC408	*G2	Q410	*F2	R189	*E6
C135	*D6	C318	*G6	C422	*G4	C514	E3	FL301	B7	IC409	*G1	Q411	*F1	R190	*D6
C136	*D6	C319	*G7	C423	*G4	C515	E3	FL302	A7	IC410	*G3	Q412	F4	R191	*E6
C137	D6	C320	G7	C424	*F4	C516	*E3	FL303	A7	IC411	*G2	Q413	*F3	R192	*E6
C138	D6	C321	*C5	C425	*F3	C517	*E3	FL304	A7	IC412	*G1	Q414	*F3	R193	*D6
C140	*F4	C322	D5	C426	G4	C518	*D3	FL305	B7	IC413	F4	Q415	*F2	R194	*E6
C141	C6	C323	*D5	C427	G4	C519	D4	FL306	B7	IC414	E4	Q416	*F2	R195	*D6
C142	*G5	C324	D5	C428	*G4	C520	*E3	FL307	B7	IC415	E4	Q417	*F1	R196	*E5
C143	*F5	C325	D5	C429	*F3	C521	*D3	FL308	B7	IC416	D4	Q418	*F2	R197	*E5
C144	*E5	C326	D5	C430	*F2	C600	*A2	FL309	B7	IC417	E4	Q419	*F4	R198	*D6
C145	*E5	C327	*D5	C431	*F2	C601	A3	FL310	A7	IC418	E2	Q420	*F3	R199	*D5
C146	*D6	C328	*D5	C432	*F4	C602	*B2	FL311	A7	IC419	E2	Q421	*F2	R200	*D6
C147	*F6	C329	*C7	C433	*F3	C603	*A1	FL312	A7	IC420	E1	Q422	*F1	R201	*C4
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C149	E6	C331	*D5	C435	*F1	C605	*A1	FL314	B7	IC422	E2	Q424	*E2	R203	*E5
C150	E5	C332	C3	C436	*F4	C606	*B2	FL400	G3	IC423	E1	Q425	*E1	R204	*C4
C151	*F6	C333	*C3	C437	*F4	C607	*A1	FL401	G2	IC424	D4	Q426	*E1	R205	*D5
C152	*E5	C334	*D5	C438	*F4	C608	*A1	FL402	G1	IC425	D4	Q427	*E3	R206	*C4
C153	*E5	C335	*D5	C439	*G3	C609	*A1			IC426	D2	Q428	*E3	R207	*C4
C154	E5	C336	*G6	C440	*G2	C610	B1	IC100	E5	IC427	D1	Q600	*B1	R208	*C4
C155	E6	C337	*G6	C441	*G1	C611	*B1	IC101	B6	IC428	D1			R209	*C4
C156	*F6	C338	*G6	C442	*G3	C612	*B1	IC102	B7	IC429	C4	R100	*F7	R210	*C4
C157	*F6	C339	*G7	C443	*G2	C613	B1	IC103	*G5	IC430	C2	R101	*G5	R211	*C4
C158	*E5	C340	*F7	C444	*G2	C614	B1	IC104	E5	IC431	C2	R102	*G5	R212	*D5
C159	*E5	C341	*C3	C445	*F3	C615	B1	IC105	F5	IC432	C2	R103	*G5	R213	*C4
C160	*F6	C342	G6	C446	*F2	C616	*B1	IC106	C6	IC433	C1	R104	*G5	R214	*C4
C161	*E6	C343	G7	C447	*F2	C617	*B1	IC108	D6	IC434	E3	R105	*G5	R215	*D6
C162	*F6	C344	G6	C448	*E4	C618	B2	IC109	C4	IC435	E3	R106	*G5	R216	*C4
C163	*E6	C345	G7	C449	*E4	C619	*A6	IC110	*D6	IC436	D4	R107	*G5	R217	*C4
C164	*E6	C346	F7	C450	*E4	C620	*A6	IC111	*D7	IC437	E3	R108	*G5	R218	*D6
C165	*E6	C347	*B4	C451	*E4	C621	*C1	IC112	C5	IC438	D3	R109	*G5	R219	*C4
C166	*E6	C348	*B3	C452	*F3	C622	C1	IC114	E5	IC600	A2	R110	*C6	R220	*C4
C167	E6	C349	*B4	C453	*F2	C623	*C1	IC115	E5	IC601	B2	R111	*C6	R221	*C4
C168	E6	C350	*B4	C454	*F1			IC116	E5	IC602	B2	R112	*C7	R222	*C4
C169	*E6	C351	*B4	C455	*E4	CL100	A7	IC117	F6	IC603	B2	R113	*C7	R223	*C4
C170	*E6	C352	A4	C456	*G3	CL101	C7	IC122	E6	IC604	C2	R114	*G5	R224	*C4
C171	*E6	C353	*A5	C457	*G2	CL102	C7	IC123	E6	IC605	A1	R115	*F5	R225	*E7
C172	*E6	C354	*B4	C458	*G2	CL103	C7	IC124	E6	IC606	A1	R116	*F5	R226	*E6
C173	*E6	C355	*A6	C459	*G3	CL104	C7	IC125	D6	IC607	A1	R117	*F5	R227	*D6
C174	*E6	C356	*B5	C460	*G2	CL105	C7	IC126	E6	IC608	A1	R118	*F5	R228	*D6
C175	*D6	C357	B4	C461	*G2	CL106	C6	IC127	E6	IC609	A1	R121	*C6	R229	*E7
C176	*D6	C358	*B4	C462	*E4	CL107	C6	IC128	E5	IC610	B1	R124	C6	R230	*E7
C177	*E6	C359	*A4	C463	D4	CL108	C6	IC129	D6	IC611	A6	R125	*C6	R231	*D7
C178	*D6	C360	*B5	C464	D4	CL109	C6	IC130	D5	IC612	A6	R127	*D5	R232	*F6
C179	*E6	C361	*B4	C465	E2	CL110	C6	IC132	D6	IC613	C1	R129	*C4	R233	D7
C180	*E5	C362	*B5	C466	*E2	CL111	C6	IC133	C4	IC614	B2	R130	*D5	R234	D7
C181	*D6	C363	B5	C467	*D4	CL112	C6	IC134	C4	IC615	C1	R131	*C5	R235	*F6
C182	*E5	C364	*B5	C468	*D4	CL113	C6	IC137	*D7			R137	*C4	R236	D7
C183	*E5	C365	*B4	C469	*D4	CL114	C7	IC138	D6	L100	G5	R138	*C4	R237	D7
C184	*C4	C366	*C5	C470	*D4	CL115	C7	IC290	*F5	L101	C5	R146	D6	R238	D7
C185	*D5	C367	*C5	C471	*E2	CL116	C7	IC291	F5	L102	F6	R147	D6	R239	D7
C186	*E5	C368	*A4	C472	*E2	CL117	C7	IC300	C5	L300	*G6	R148	*E5	R240	D7
C187	*D6	C369	*A3	C473	*E1	CL118	C7	IC301	*C7	L301	*G6	R149	*G5	R290	F5
C188	*C4	C370	*A4	C474	*E1	CL119	C6	IC302	D5	L302	*G7	R150	*F5	R291	*F5
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C190	*D5	C372	*B4	C476	*E4	CL121	C5	IC304	*C7	L400	F4	R152	C6	R293	*D6
C191	*D6	C373	*A3	C477	E2	CL122	C5	IC305	C7			R153	D6	R294	*D6
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C193	*E6	C375	*A3	C479	*E4	CL124	C5	IC307	*D5			R155	D6	R300	*C5
C194	*D6	C376	*A3	C480	E2	CL125	C5	IC308	D5	Q100	*G5	R156	*D6	R301	*C5
C195	*E6	C377	A6	C481	E2	CL126	C5	IC309	C3	Q101	*G5	R157	*G5	R302	*D5



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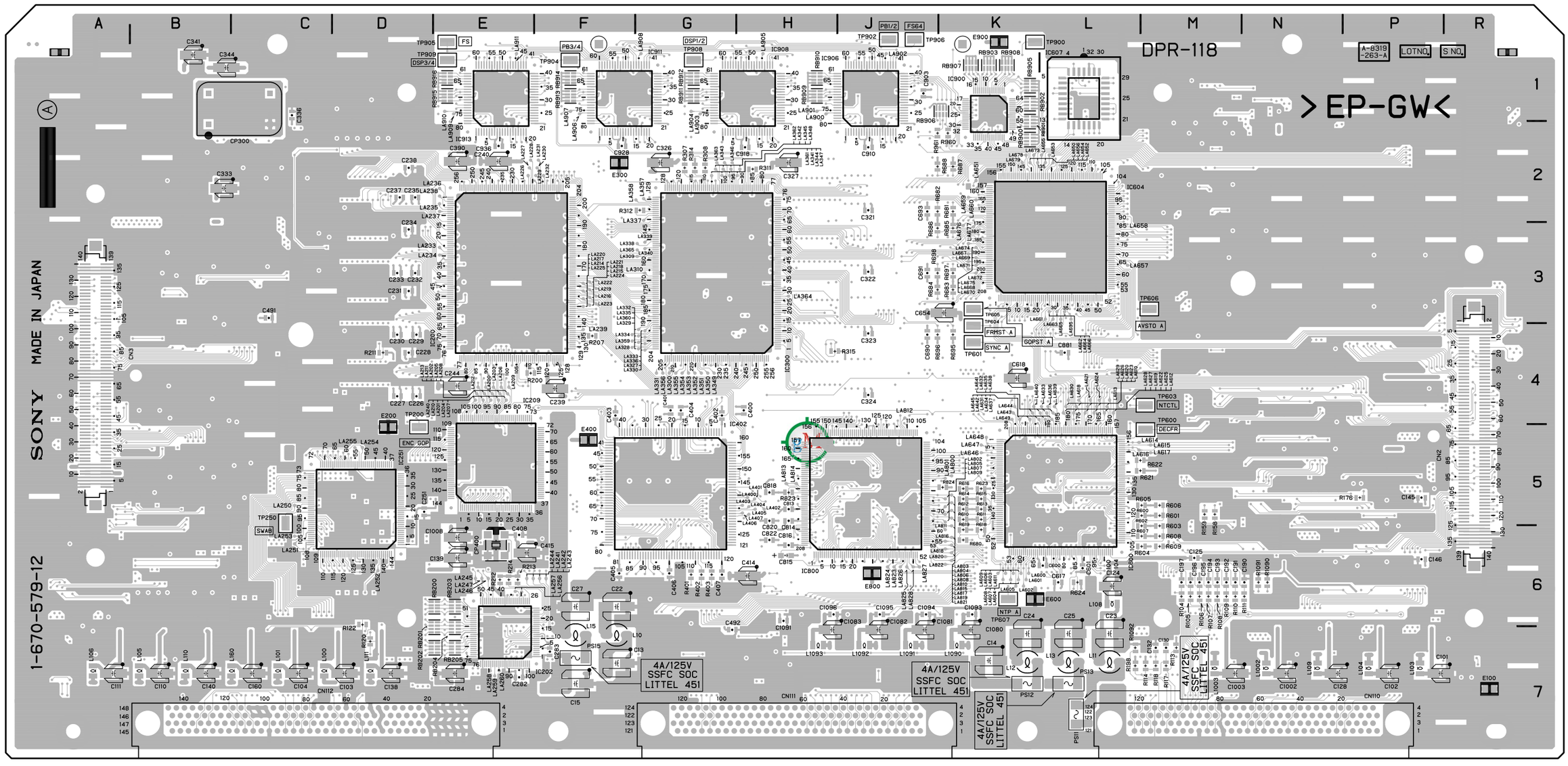


DEC-110 -B SIDE-
SUFFIX: -11

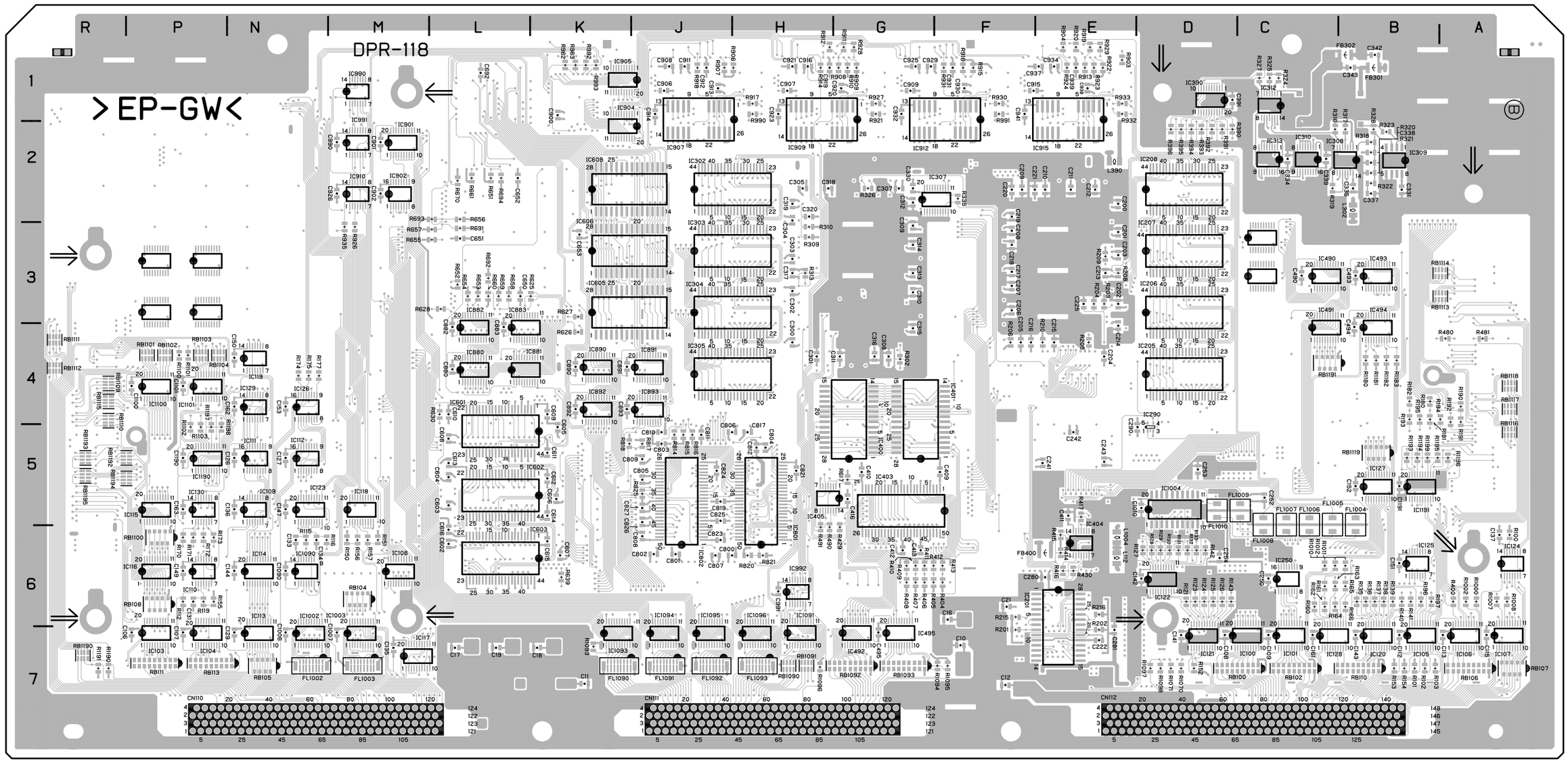
R303	*D5	R407	*G2	R499	*G2	R614	*A3
R304	*D5	R408	*G2	R500	*E4	R615	*A2
R305	*D5	R409	F3	R501	*E4	R616	*A2
R306	*D5	R410	*F7	R502	*E2	R617	*B2
R307	C7	R411	F4	R503	*E2	R618	*A2
R308	*C7	R412	*G2	R504	*E2	R619	*A2
R309	C5	R413	*G1	R505	*E2	R620	*B2
R310	D5	R414	*F4	R506	*E2	R621	*B2
R311	*D5	R415	F4	R507	*E2	R622	*A1
R312	*G7	R416	*F4	R508	*E1	R623	*A1
R313	*C7	R417	*G3	R509	*E1	R624	*A1
R314	D5	R418	*G1	R510	*E2	R625	*A1
R315	*C7	R419	*G2	R511	*D4	R626	*A1
R317	D5	R420	*G3	R512	*D4	R627	*A1
R318	*D5	R421	*G2	R513	*D4	R628	*A1
R319	*D5	R422	*G1	R514	*D4	R629	*A1
R320	*G6	R423	*F4	R515	*E4	R630	*A1
R321	*G7	R424	*G3	R516	*E4	R631	*A1
R322	*C7	R425	*G3	R517	*E4	R632	*A1
R323	*C7	R426	*G2	R518	*D4	R633	*B1
R324	*C7	R427	*G1	R519	*D4	R634	*B1
R325	*C7	R428	*G3	R520	*D4	R635	*B1
R326	*D5	R429	*G2	R521	*D4	R636	*B1
R327	*C7	R430	*G2	R522	*E4	R637	*B1
R328	*G6	R431	*F4	R523	*E4	R638	*B1
R329	*G7	R432	*F3	R524	*E4	R639	*B1
R330	*F6	R433	*F2	R525	*E4	R640	*B1
R331	*G6	R434	*F1	R526	*E4	R641	*B1
R332	*G6	R435	*F3	R527	*E2	R642	*B1
R333	*G7	R436	*F2	R528	*E2	R643	*B1
R334	*G7	R437	*F1	R529	*E1	R644	*B1
R335	*F7	R438	*F3	R530	*E1	R645	*B1
R336	*C7	R439	*F2	R531	*E4	R646	*B1
R337	*C3	R440	*F1	R532	*E4	R647	*B1
R338	*C3	R441	*E4	R533	*E2	R648	*C2
R339	*C3	R442	*F3	R534	E2	R649	*C2
R340	*C3	R443	*F2	R535	*E2	R650	*C2
R341	*C3	R444	*F1	R536	*E1	R651	*C2
R342	*C3	R445	*F4	R537	E1	R690	*C2
R343	*C3	R446	F4	R538	*E1		
R344	*C3	R447	F4	R539	*E4	RB100	*B7
R345	*C4	R448	*F3	R540	*E2	RB101	*B7
R346	*B4	R449	*F3	R541	*E1	RB102	*A7
R347	*B3	R450	*F2	R542	*E4	RB103	*A7
R348	*B5	R451	*F2	R543	*E4	RB104	*A7
R349	*A5	R452	*F1	R544	*E4	RB105	*A7
R350	*A5	R453	*F2	R545	*E2	RB106	*A7
R351	*A5	R454	*F3	R546	*E2	RB107	*B7
R352	*A5	R455	*F3	R547	*D4	RB108	*A7
R353	B4	R456	*F2	R548	*D4	RB109	*C7
R354	*B5	R457	*F2	R549	*D4	RB110	*C6
R355	*B4	R458	*F2	R550	*D4	RB111	*C6
R356	B4	R459	*F1	R551	*D4	RB112	C6
R357	*A5	R460	*F4	R552	*D4	RB300	A6
R358	B4	R461	*F4	R553	*D4	RB301	B6
R359	*B4	R462	*F4	R554	*D4		
R360	*A5	R463	*F4	R555	*E3	RV100	D6
R361	B4	R464	*G3	R556	*E3		
R362	*B5	R465	*G2	R557	*E3	TP100	G5
R363	*B5	R466	*G1	R558	*E3	TP101	G5
R364	B5	R467	*F4	R559	*E3	TP102	E5
R365	*B4	R468	*F4	R560	*E3	TP103	D5
R366	*B5	R469	*G3	R561	*E3	TP104	D6
R367	*B4	R470	*F4	R562	*E3	TP300	B5
R368	*B5	R471	*F4	R563	*E3	TP301	B5
R369	*B5	R472	*G3	R564	*E3	TP302	A6
R370	*B5	R473	*G3	R565	*E3	TP400	G3
R371	*A6	R474	*G2	R566	E3	TP401	G1
R372	*B5	R475	*G3	R567	*E3	TP402	G2
R373	C5	R476	*G1	R568	*E3	TP403	F1
R374	*A3	R477	*G2	R569	*D3	TP404	F3
R375	*B4	R478	*F3	R570	*D3	TP405	F2
R376	*B4	R479	*F2	R571	*D3	TP406	E4
R377	*A4	R480	*F2	R572	*D3		
R378	*B4	R481	*F4	R573	*D3	*:B SIDE	
R379	*B4	R482	*F3	R574	*D3		
R380	*A4	R483	*F2	R575	*D3		
R381	*A3	R484	*F1	R576	*D3		
R382	*A3	R485	*E4	R600	*A2		
R383	*A3	R486	*E4	R601	*A2		
R384	*A3	R487	*F3	R602	*A2		
R385	*A3	R488	*F2	R603	*A2		
R386	*A3	R489	*F1	R604	*A2		
R390	C4	R490	*F1	R605	*A3		
R391	C4	R491	*F3	R606	*A2		
R400	*G2	R492	*F2	R607	*A2		
R401	*F4	R493	*E2	R608	*A3		
R402	*F7	R494	*E4	R609	*A3		
R403	*F7	R495	*E4	R610	*A3		
R404	*G2	R496	*E2	R611	*A3		
R405	*G2	R497	*G2	R612	*A2		
R406	*G2	R498	*G3	R613	*A2		

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C10	*F7	C222	*E7	C493	*B3	C931	*F1	IC127	*B5	L12	K7	LA332	G4	LA650	K2	R114	M7	R315	H4	R684	J3	R1196	*A5
C11	*K7	C225	*E3	C494	*B4	C932	*G1	IC128	*C7	L13	L7	LA333	G4	LA651	K2	R115	*N6	R316	*C2	R685	K3	R1197	*P5
C12	*F7	C226	D4	C495	*G7	C934	*E1	IC129	*N4	L15	F7	LA334	F4	LA652	L2	R116	*N6	R317	*B2	R686	J3	R1198	*P5
C13	F7	C227	D4	C600	L6	C936	E2	IC130	*P5	L100	C7	LA335	G4	LA653	L2	R117	M7	R318	*B2	R687	K2	R1199	*B5
C14	K7	C228	D4	C601	L6	C937	*E1	IC200	E3	L101	C7	LA336	G4	LA654	L2	R118	M7	R319	*C2	R688	J2		
C15	F7	C229	D4	C602	*L6	C938	*E1	IC201	*E6	L103	P7	LA337	G2	LA655	L2	R119	*P6	R320	*B2	R691	*L3	RB100	*C7
C16	*F6	C230	D4	C603	*L5	C939	*E1	IC202	E7	L104	P7	LA338	G3	LA656	K2	R120	D7	R321	*B2	R692	*L3	RB102	*C7
C17	*L7	C231	D3	C604	*L5	C941	*F1	IC205	*D4	L105	B7	LA339	G3	LA657	L3	R121	*D6	R322	*B2	R693	*L2	RB104	*M6
C18	*K7	C232	D3	C605	*K5	C990	*M2	IC206	*D4	L106	A7	LA340	G3	LA658	L3	R122	D6	R323	*B2	R694	*L2	RB105	*N7
C19	*L7	C233	D3	C606	*K5	C991	*H6	IC207	*D3	L108	L6	LA341	G2	LA659	K2	R123	*D6	R324	*C1	R695	K4	RB106	*A7
C21	*F6	C234	D3	C607	*K6	C1002	N7	IC208	*D2	L109	N7	LA342	G2	LA660	K2	R124	*D6	R325	*C1	R696	J4	RB107	*A7
C22	F6	C235	D2	C608	*L5	C1003	M7	IC209	E5	L110	B7	LA343	G2	LA661	L3	R125	*D6	R326	*G2	R697	K3	RB108	*P6
C23	L7	C237	D2	C609	*K4	C1006	*N7	IC250	*C6	L111	D7	LA344	G2	LA662	L3	R126	*D6	R327	*C1	R698	J3	RB110	*B7
C24	K7	C238	D2	C610	*L4	C1007	*M7	IC251	D5	L112	*E6	LA345	G2	LA663	L3	R127	*D6	R328	*B2	R814	*J5	RB111	*P7
C25	L7	C239	F4	C611	*K5	C1008	E6	IC290	*D5	L160	C7	LA346	G2	LA664	L3	R128	*D6	R335	*F2	R815	*J5	RB113	*P7
C27	F6	C240	E2	C612	*K5	C1010	*D5	IC300	G3	L302	*B2	LA347	H2	LA665	L3	R129	*D6	R390	*D2	R816	*J5	RB200	E6
C101	P7	C241	*E5	C613	*L5	C1080	K7	IC302	*J2	L390	*E2	LA348	H2	LA666	L3	R130	*D6	R391	*D2	R817	*J5	RB201	E7
C102	P7	C242	*E5	C614	*K5	C1081	J7	IC303	*J3	L1002	N7	LA349	G4	LA667	K3	R131	*D6	R392	*D2	R818	*K5	RB202	E7
C103	D7	C243	*E5	C615	*K6	C1082	J7	IC304	*J4	L1003	M7	LA350	G4	LA668	K3	R132	*D6	R393	*D2	R820	*H6	RB203	E6
C104	C7	C244	E4	C616	*L6	C1083	H7	IC305	*J4	L1004	*E6	LA351	G4	LA669	K3	R133	*D6	R394	*D2	R821	*H6	RB204	E7
C106	*P7	C250	*C6	C617	L6	C1090	*N6	IC307	*G2	L1090	K7	LA352	G4	LA670	K3	R135	*B6	R395	*D2	R823	H5	RB205	E7
C107	*P7	C251	D5	C618	K4	C1091	H6	IC308	*B2	L1091	J7	LA353	G4	LA671	K3	R136	*B6	R396	*D2	R824	K5	RB900	K2
C108	*D7	C252	*C5	C650	*L3	C1093	K6	IC309	*B2	L1092	J7	LA354	G4	LA672	K3	R137	*B6	R400	*A6	R825	*J5	RB901	K2
C109	*C7	C253	*D5	C651	*L3	C1094	J6	IC310	*C2	L1093	H7	LA355	G4	LA673	K2	R138	*B6	R401	G6	R903	*E1	RB902	K1
C110	B7	C254	*D6	C652	*L2	C1095	J6	IC312	*C1			LA356	G4	LA674	K3	R139	*B6	R402	G6	R904	*E1	RB903	K1
C111	A7	C280	*E6	C653	*K3	C1096	H6	IC313	*C2	LA200	E4	LA357	G2	LA675	K3	R140	*B6	R403	G6	R906	*H1	RB905	K1
C112	*B7	C281	*E7	C654	K3	C1100	*P4	IC390	*D1	LA201	E4	LA358	G2	LA676	K3	R141	*B6	R404	*F6	R907	*J1	RB906	K1
C113	*A7	C282	E7	C690	J4	C1101	*P4	IC400	*G5	LA202	E4	LA359	F4	LA677	K3	R142	*D6	R405	*G6	R908	*G1	RB907	K1
C115	*A7	C283	F7	C691	J3	C1190	*P5	IC401	*F5	LA203	E4	LA360	G4	LA678	K2	R143	*D6	R406	*G6	R909	*G1	RB908	K1
C124	L6	C284	E7	C692	*L1	C1191	*B5	IC402	G5	LA204	E4	LA361	G2	LA679	K2	R150	*M6	R407	*G6	R910	*G1	RB909	H1
C125	M6	C290	*D5	C693	J2			IC403	*F5	LA205	E4	LA362	G2	LA695	L3	R151	*M6	R408	*G6	R911	*G1	RB910	H1
C126	*N5	C300	*H4	C800	*J6	CN2	R5	IC404	*E6	LA206	E4	LA363	G2	LA800	K5	R152	*D7	R409	*G6	R912	*H1	RB911	G1
C127	*N5	C301	*H4	C801	*J6	CN3	A4	IC405	*G5	LA207	E4	LA364	H3	LA801	K5	R153	*B7	R410	*G6	R913	*E1	RB912	G1
C128	N7	C302	*H3	C802	*J6	CN110	N7	IC490	*C3	LA208	E4	LA365	G3	LA802	K5	R154	*B7	R411	*G6	R914	*H1	RB913	F1
C129	*N7	C303	*H3	C803	*J5	CN111	H7	IC491	*C4	LA209	E4	LA400	H5	LA803	K5	R155	*P6	R412	*G6	R915	*F1	RB914	F1
C130	M7	C304	*H2	C804	*H5	CN112	C7	IC492	*G7	LA210	E4	LA401	H5	LA804	K5	R156	*M6	R413	*F6	R916	*F1	RB915	E1
C131	*P6	C305	*H2	C805	*J5			IC493	*B3	LA211	E4	LA402	H5	LA805	K5	R157	*M6	R414	*E6	R917	*H1	RB916	E1
C132	M7	C307	*G2	C806	*J5	CP300	C1	IC494	*B4	LA212	E4	LA403	H5	LA806	K5	R158	M5	R415	*E6	R918	*J1	RB1090	*H7
C133	*N6	C308	*G4	C807	*J6	CP400	E6	IC495	*G7	LA213	E4	LA404	H5	LA807	K5	R159	M5	R416	*E6	R919	*E1	RB1091	*H7
C134	*N6	C309	*G3	C808	*J6			IC600	L5	LA214	F3	LA405	H5	LA808	K5	R160	*C6	R417	*E5	R920	*E1	RB1092	*G7
C135	*M7	C310	*G3	C809	*J5	E100	R7	IC601	*K4	LA215	F3	LA406	H5	LA809	K5	R161	*C6	R429	*G6	R921	*G1	RB1093	*G7
C136	*N5	C311	*G4	C810	*J5	E200	D5	IC602	*K5	LA216	F3	LA407	H5	LA810	K6	R162	*C6	R430	*E6	R922	*E1	RB1100	*P6
C137	*A6	C312	*G2	C811	*J5	E300	F2	IC603	*K6	LA217	F3	LA600	K6	LA811	K6	R163	*C6	R480	*A4	R923	*E1	RB1101	*P4
C138	D7	C313	*G3	C812	*H5	E400	F5	IC604	L3	LA218	F3	LA601	K6	LA812	J4	R164	*C6	R481	*A4	R924	*E1	RB1102	*P4
C139	E6	C314	*G3	C813	H5	E600	K6	IC605	*K4	LA219	F3	LA602	K6	LA813	H5	R165	*B6	R490	*H6	R926	*M3	RB1103	*P4
C140	B7	C315	*G4	C814	H5	E800	J6	IC606	*K3	LA220	F3	LA603	K6	LA814	H5	R166	*B6	R491	*H6	R927	*G1	RB1104	*P4
C141	*D7	C316	*G4	C815	H6	E900	K1	IC607	L1	LA221	F3	LA604	K6	LA815	K6	R170	*P6	R600	M5	R928	*G1	RB1109	*R4
C142	*D6	C317	*H3	C816	H6			IC608	*K2	LA222	F3	LA605	K6	LA816	K6	R171	*P6	R601	M5	R929	*E1	RB1110	*R4
C143	*B7	C318	*H2	C817	*H5	FB301	*B1	IC800	J5	LA223	F3	LA606	K6	LA817	K6	R172	*P6	R602	M6	R930	*F1	RB1111	*R4
C144	*N6	C319	*H2	C818	H5	FB302	*B1	IC801	*H6	LA224	F3	LA607	K6	LA818	K6	R173	*P6	R603	M6	R931	*F1	RB1112	*R4
C145	P5	C320	*H2	C819	*J5	FB400	*E6	IC802	*J6	LA225	F3	LA608	K6	LA819	K6	R174	*N4	R604	M6	R932	*E1	RB1113	*A3
C146	P6	C321	J2	C820	H5			IC880	*L4	LA226	E2	LA609	K6	LA820	K6	R175	*N4	R605	M5	R933	*E1	RB1114	*A3
C147	*N5	C322	J3	C821	*H5	FL1002	*N7	IC881	*L4	LA227	E2	LA610	L4	LA821	K6	R176	P5	R606	M5	R935	*M3	RB1115	*R4
C149	*P6	C323	J4	C822	H6	FL1003	*M7	IC882	*L4	LA228	E2	LA611	K6	LA822	K6	R177	*N4	R607	M6	R960	K2	RB1116	*A5
C150	*N4	C324	J4	C823	*J6	FL1004	*B5	IC883	*L4	LA229	F2	LA612	L4	LA823	J6	R180	*B4	R608	M6	R961	J2	RB1117	*A4
C151	*B6	C326	G2	C824	*J5	FL1005	*C5	IC890	*K4	LA230	F2	LA613	L4	LA824	J6	R181	*B4	R609	M6	R962	*K1	RB1118	*A4
C152	*B5	C327	H2	C825	*J5	FL1006	*C5	IC891	*J4	LA231	F2	LA614	L5	LA825	J6	R182	*B4	R610	K5	R963	*K1	RB1119	*B5
C153	*N4	C330	*G2	C826	*J5	FL1007	*C5	IC892	*K4	LA232	F2	LA615	M5	LA826	J6	R190	*A4	R611	K5	R990	*H1	RB1190	*R7
C160	C7	C331	*B2	C827	*J5	FL1008	*C5	IC893	*J4	LA233	E3	LA616	L5	LA827	J6	R191	*A4	R612	K5	R991	*F1	RB1191	*C4
C161	*C7	C333	B2	C880	*L4	FL1009	*C5	IC900	K1	LA234	E3	LA617	M5	LA828	J6	R192	*A4	R613	K5	R992	*K1	RB1192	*P5
C162	*N4	C334	*C2	C881	L4	FL1010	*D5	IC901	*M2	LA235	E2	LA618	L4	LA900	H1	R193	*B4	R614	K5	R993	*K1	RB1193	*R5
C163	*P5	C335	*B2	C882	*L4	FL1090	*K7	IC902	*M2	LA236	E2	LA619	L4	LA901	H1	R194	*A4	R615	K5	R1000	*A6	RB1194	*P5
C190	N6	C336	C1	C883	*L4	FL1091	*J7	IC904	*J1	LA237	E2	LA620	L4	LA902	J1	R195	*B4	R616	K5	R1002	*A6	RB1195	*R5
C191	M6	C337	*B2	C890	*K4	FL1092	*J7	IC905	*J1	LA238	E2	LA621	L4	LA903	G1	R196	*B6	R617	*G5	R1007	*A6		
C192	M6	C338	*B2	C891	*K4	FL1093	*H7	IC906	J1	LA239	F4	LA622	L4	LA904	G1	R197	*B6	R618	K6	R1008	*A6	TP200	D5
C193	M6	C339	*C2	C892	*K4			IC907	*J1	LA240	E4	LA623	L4	LA905	H1	R198	L7	R619	K6	R1010	*C6	TP250	C5
C194	M6	C341	B1	C893	*K4	IC100	*D7	IC908	H1	LA241	E6	LA624	L4	LA906	F1	R200	E4	R621	L5	R1011	*B6	TP600	M5
C195	M6	C342	*B1	C900	*K1	IC101	*C7	IC909	*G1	LA242	F6	LA625	L4	LA907	F1	R201	*F7	R622	L5	R1012	*C6	TP601	K4
C196	M6	C343	*B1	C901	*M2	IC103	*P7	IC910	*M2	LA243	F6	LA626	L4	LA908	G1	R202	*E7	R623	K5	R1070	*D7	TP603	M4
C197	M6	C344	B1	C902	*M2	IC104	*P7	IC911	F1	LA244	E6	LA627	L4	LA909	E1	R203	*E3	R624	L6	R1071	*D7	TP604	K4
C200	*E2	C390	E2	C903	J1	IC105	*B7	IC912	*F1	LA245	E6	LA628	L4	LA910	E1	R204	*E3	R625	*K3	R1090	N6	TP605	K3
C201	*E3	C391	*D1	C906	*J1	IC106	*A7	IC913	E1	LA246	E6	LA629	L4	LA911	E1	R205	*E4	R626	*K4	R1091	N6	TP606	M3
C202	*E3	C400	H4	C907	*H1	IC107	*A7	IC915	*E1	LA247	E6	LA630	L4			R206	*F4	R627	*K3	R1092	L7	TP607	K6
C203	*E3	C401	G4	C908	*J1	IC108	*M6	IC990	*M1	LA250	C5	LA631	K4	PS11	L7	R207	F4	R628	*L3	R1093	*K7	TP900	K1
C204	*E4	C402	G4	C909	*G1	IC109	*N5	IC991	*M2	LA251	C6	LA632	L4	PS12	K7	R208	*E3	R630	*L4	R1094	*F7	TP902	J1
C205	*F4	C403	F4	C910	J2	IC110	*P6	IC992	*H6	LA252	D6	LA633	L4	PS13	L7	R209	*E3	R639	*K6	R1095	*F7	TP904	F1
C206	*F3	C404	G4	C911	*J1	IC111	*N5	IC1002	*N7	LA253	C6	LA634	L4	PS15	F7	R210	*E4	R651	*L2	R1096	*H7	TP905	E1
C207	*F3	C405	F6	C912	*J1	IC112	*N5	IC1003	*M7	LA254	D5	LA635	L4			R211	D4	R652	*L3	R1097	*D7	TP906	J1
C208	*F3	C406	G6	C913	*J1	IC113	*N7	IC1004	*D5	LA255	D5	LA636	L4	R100	*A6	R212	E6	R653	*L3	R1098	*D7	TP908	G1
C209	*F2	C407	G6	C914	*J1	IC114	*N6	IC1090	*N6	LA256	E6	LA637	L4	R101	*B7	R213	E6	R654	*L3	R1100	*P4	TP909	E1
C210	*E2	C408	E6	C915	*F1	IC115	*P5	IC1091	*H7	LA257	E6	LA638	L4	R102	*B7	R214	E6	R655	*L3	R1101	*P4		
C211	*E2	C409	*F5	C916	*H1	IC116	*P6	IC1093	*K7	LA258	E7	LA639	L4	R103	*B7	R215	*F6	R656	*L2	R1102	*P5	*:B SIDE	
C212	*E2	C410	*G5	C918	H2	IC117	*M7	IC1094	*J7	LA259	E7	LA640	K4	R104	M6	R216	*E6	R657	*L3	R1103	*P5		
C213	*E3	C411	*E5	C919	*H1	IC118	*M5	IC1095	*J7	LA260	E7	LA641	K4	R105	M6	R302	*G4	R658	*L3	R1180	*B4		
C214	*E4	C412	*G6	C920	*G1	IC119	*N4	IC1096	*H7	LA300	G4	LA642	K4	R106	M6	R307	G2	R659	*L3	R1181	*B4		
C215	*E4	C413	*G6	C921	*H1	IC120	*B7	IC1100	*P4	LA309	G3	LA643	K4	R107	M6	R308	G2	R660	*L3	R1182	*B4		
C216	*F4	C414	H6	C923	*H1	IC121	*D7	IC1101	*P4	LA310	G3	LA644	K4	R108	M6	R309	*H3	R661	*L2	R1183	*B4		
C217	*F3	C415	E6	C925	*G1	IC122	*D6	IC1190	*P5	LA327	G4	LA645	K4	R109	M6	R310	*H3	R670	*L2	R1190	*R7		
C218	*F3	C416	*G5	C926	*M2	IC123	*N5	IC1191	*B5	LA328	F4	LA646	K5	R110	M6	R311	H2	R680	K6	R1191	*R7		
C219	*F2	C490	*C3	C928	F2	IC124	*A6			LA329	G4	LA647	K5	R111	N6	R312	G2	R681	K2	R1193	*B5		
C220	*F2	C491	C3	C929	*G1	IC125	*B6	L10	F7	LA330	G4	LA648	K5	R112	*P6	R313	*H3	R682	J2	R1194	*B5		
C221	*F2	C492	G7	C930	*F1	IC126	*N4	L11	L7	LA331	G4	LA649	K4	R113	M7	R314	G2	R683	K3	R1195	*B5		



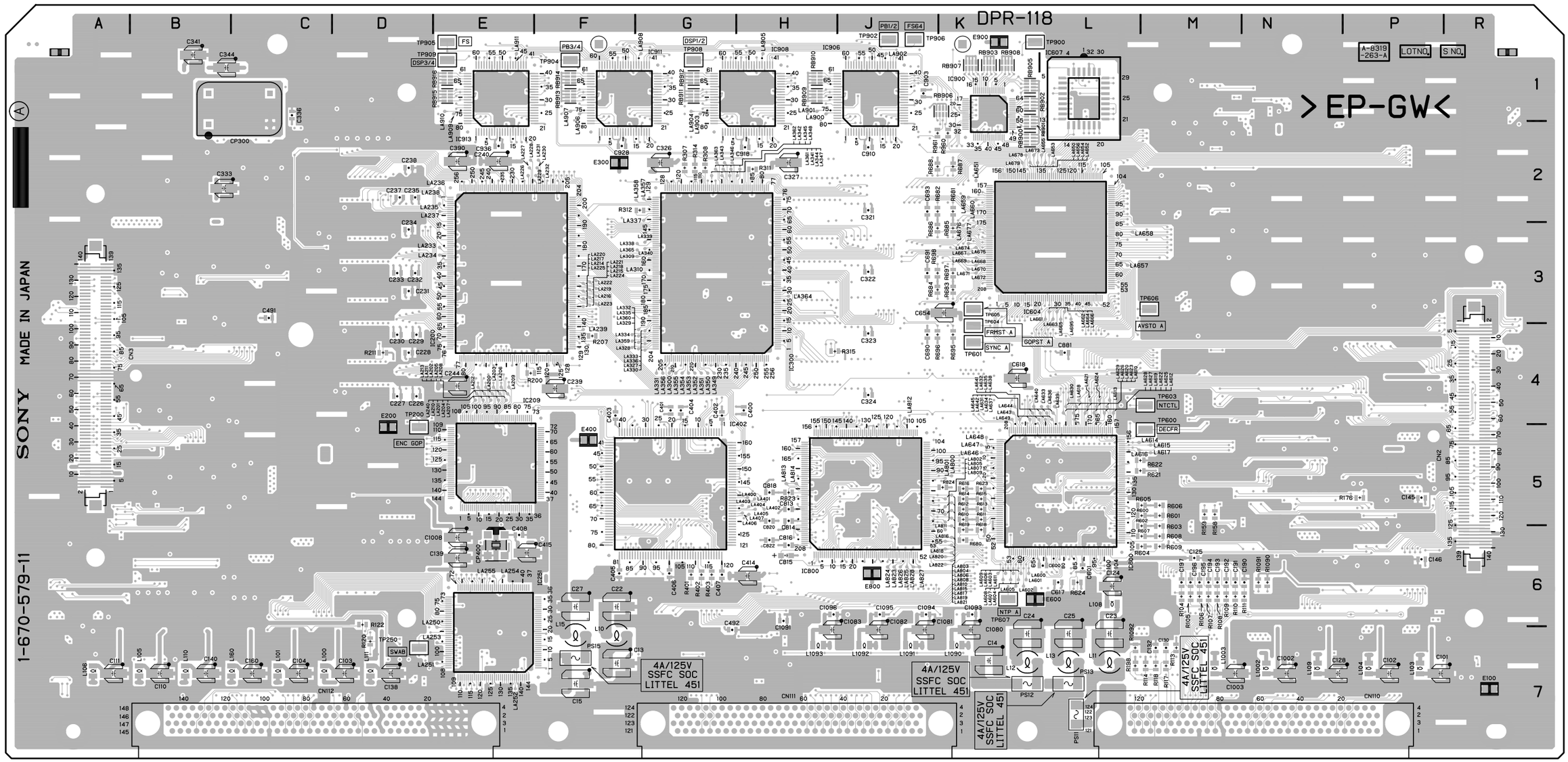
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SUFFIX: -12



DPR-118 -B SIDE-
SUFFIX: -12

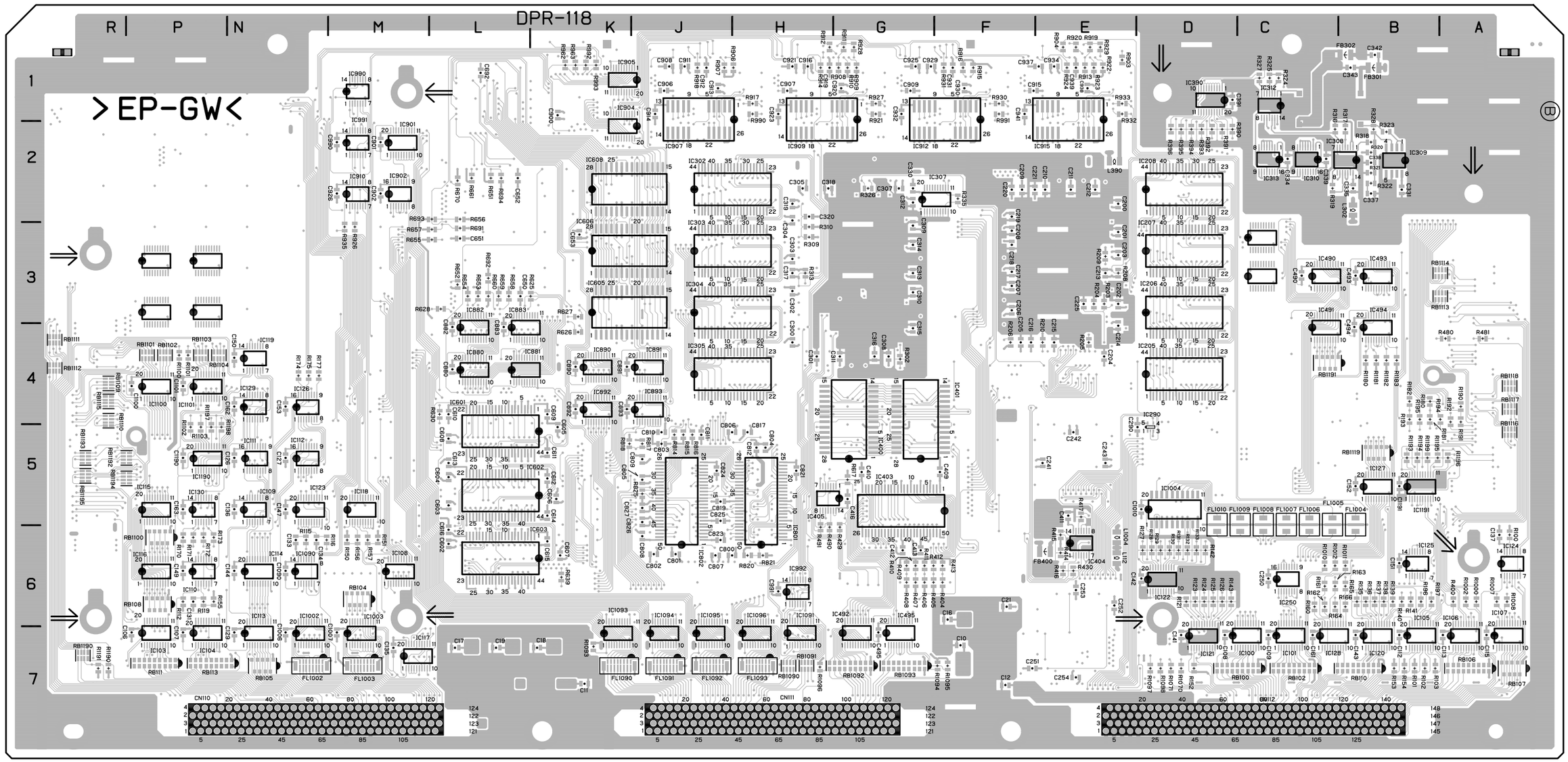
DPR-118 (1-670-579-11)

C10	*F7	C225	*E3	C603	*L5	C939	*E1	IC206	*D4	L106	A7	LA352	G4	LA670	K3	R135	*B6	R405	*G6	R908	*G1	RB913	F1
C11	*K7	C226	D4	C604	*L5	C941	*F1	IC207	*D3	L108	L6	LA353	G4	LA671	K3	R136	*B6	R406	*G6	R909	*G1	RB914	F1
C12	*F7	C227	D4	C605	*K5	C990	*M2	IC208	*D2	L109	N7	LA354	G4	LA672	K3	R137	*B6	R407	*G6	R910	*G1	RB915	E1
C13	F7	C228	D4	C606	*K5	C991	*H6	IC209	E5	L110	B7	LA355	G4	LA673	K2	R138	*B6	R408	*G6	R911	*G1	RB916	E1
C14	K7	C229	D4	C607	*K6	C1002	N7	IC250	*C6	L111	D7	LA356	G4	LA674	K3	R139	*B6	R409	*G6	R912	*H1	RB1090	*H7
C15	F7	C230	D4	C608	*L5	C1003	M7	IC251	E7	L112	*E6	LA357	G2	LA675	K3	R140	*B6	R410	*G6	R913	*E1	RB1091	*H7
C16	*F6	C231	D3	C609	*K4	C1006	*N7	IC290	*D5	L160	C7	LA358	G2	LA676	K3	R141	*B6	R411	*G6	R914	*H1	RB1092	*G7
C17	*L7	C232	D3	C610	*L4	C1007	*M7	IC300	G3	L302	*B2	LA359	F4	LA677	K3	R142	*D6	R412	*G6	R915	*F1	RB1093	*G7
C18	*K7	C233	D3	C611	*K5	C1008	E6	IC302	*J2	L390	*E2	LA360	G4	LA678	K2	R143	*D6	R413	*F6	R916	*F1	RB1100	*P6
C19	*L7	C234	D3	C612	*K5	C1010	*D5	IC303	*J3	L1002	N7	LA361	G2	LA679	K2	R150	*M6	R414	*E6	R917	*H1	RB1101	*P4
C21	*F6	C235	D2	C613	*L5	C1080	K7	IC304	*J4	L1003	M7	LA362	G2	LA695	L3	R151	*M6	R415	*E6	R918	*J1	RB1102	*P4
C22	F6	C237	D2	C614	*K5	C1081	J7	IC305	*J4	L1004	*E6	LA363	G2	LA800	K5	R152	*D7	R416	*E6	R919	*E1	RB1103	*P4
C23	L7	C238	D2	C615	*K6	C1082	J7	IC307	*G2	L1090	K7	LA364	H3	LA801	K5	R153	*B7	R417	*E5	R920	*E1	RB1104	*P4
C24	K7	C239	F4	C616	*L6	C1083	H7	IC308	*B2	L1091	J7	LA365	G3	LA802	K5	R154	*B7	R429	*G6	R921	*G1	RB1109	*R4
C25	L7	C240	E2	C617	L6	C1090	*N6	IC309	*B2	L1092	J7	LA400	H5	LA803	K5	R155	*P6	R430	*E6	R922	*E1	RB1110	*R4
C27	F6	C241	*E5	C618	K4	C1091	H6	IC310	*C2	L1093	H7	LA401	H5	LA804	K5	R156	*M6	R480	*A4	R923	*E1	RB1111	*R4
C101	P7	C242	*E5	C650	*L3	C1093	K6	IC312	*C1			LA402	H5	LA805	K5	R157	*M6	R481	*A4	R924	*E1	RB1112	*R4
C102	P7	C243	*E5	C651	*L3	C1094	J6	IC313	*C2	LA200	E4	LA403	H5	LA806	K5	R158	M5	R490	*H6	R926	*M3	RB1113	*A3
C103	D7	C244	E4	C652	*L2	C1095	J6	IC390	*D1	LA201	E4	LA404	H5	LA807	K5	R159	M5	R491	*H6	R927	*G1	RB1114	*A3
C104	C7	C250	*C6	C653	*K3	C1096	H6	IC400	*G5	LA202	E4	LA405	H5	LA808	K5	R160	*C6	R600	M5	R928	*G1	RB1115	*R4
C106	*P7	C251	*F7	C654	K3	C1100	*P4	IC401	*F5	LA203	E4	LA406	H5	LA809	K5	R161	*C6	R601	M5	R929	*E1	RB1116	*A5
C107	*P7	C252	*E6	C690	J4	C1101	*P4	IC402	G5	LA204	E4	LA407	H5	LA810	K6	R162	*C6	R602	M6	R930	*F1	RB1117	*A4
C108	*D7	C253	*E6	C691	J3	C1190	*P5	IC403	*F5	LA205	E4	LA600	K6	LA811	K6	R163	*C6	R603	M6	R931	*F1	RB1118	*A4
C109	*C7	C254	*E7	C692	*L1	C1191	*B5	IC404	*E6	LA206	E4	LA601	K6	LA812	J4	R164	*C6	R604	M6	R932	*E1	RB1119	*B5
C110	B7	C290	*D5	C693	J2			IC405	*G5	LA207	E4	LA602	K6	LA813	H5	R165	*B6	R605	M5	R933	*E1	RB1190	*R7
C111	A7	C300	*H4	C800	*J6	CN2	R5	IC490	*C3	LA208	E4	LA603	K6	LA814	H5	R166	*B6	R606	M5	R935	*M3	RB1191	*C4
C112	*B7	C301	*H4	C801	*J6	CN3	A4	IC491	*C4	LA209	E4	LA604	K6	LA815	K6	R170	*P6	R607	M6	R960	K2	RB1192	*P5
C113	*A7	C302	*H3	C802	*J6	CN110	N7	IC492	*G7	LA210	E4	LA605	K6	LA816	K6	R171	*P6	R608	M6	R961	J2	RB1193	*R5
C115	*A7	C303	*H3	C803	*J5	CN111	H7	IC493	*B3	LA211	E4	LA606	K6	LA817	K6	R172	*P6	R609	M6	R962	*K1	RB1194	*P5
C124	L6	C304	*H2	C804	*H5	CN112	C7	IC494	*B4	LA212	E4	LA607	K6	LA818	K6	R173	*P6	R610	K5	R963	*K1	RB1195	*R5
C125	M6	C305	*H2	C805	*J5			IC495	*G7	LA213	E4	LA608	K6	LA819	K6	R174	*N4	R611	K5	R990	*H1		
C126	*N5	C307	*G2	C806	*J5	CP300	C1	IC600	L5	LA214	F3	LA609	K6	LA820	K6	R175	*N4	R612	K5	R991	*F1	TP200	D5
C127	*N5	C308	*G4	C807	*J6	CP400	E6	IC601	*K4	LA215	F3	LA610	L4	LA821	K6	R176	P5	R613	K5	R992	*K1	TP250	D7
C128	N7	C309	*G3	C808	*J6			IC602	*K5	LA216	F3	LA611	K6	LA822	K6	R177	*N4	R614	K5	R993	*K1	TP600	M5
C129	*N7	C310	*G3	C809	*J5	E100	R7	IC603	*K6	LA217	F3	LA612	L4	LA823	J6	R180	*B4	R615	K5	R1000	*A6	TP601	K4
C130	M7	C311	*G4	C810	*J5	E200	D5	IC604	L3	LA218	F3	LA613	L4	LA824	J6	R181	*B4	R616	K5	R1002	*A6	TP603	M4
C131	*P6	C312	*G2	C811	*J5	E300	F2	IC605	*K4	LA219	F3	LA614	L5	LA825	J6	R182	*B4	R617	*G5	R1007	*A6	TP604	K4
C132	M7	C313	*G3	C812	*H5	E400	F5	IC606	*K3	LA220	F3	LA615	M5	LA826	J6	R190	*A4	R618	K6	R1008	*A6	TP605	K3
C133	*N6	C314	*G3	C813	H5	E600	K6	IC607	L1	LA221	F3	LA616	L5	LA827	J6	R191	*A4	R619	K6	R1010	*C6	TP606	M3
C134	*N6	C315	*G4	C814	H5	E800	J6	IC608	*K2	LA222	F3	LA617	M5	LA828	J6	R192	*A4	R621	L5	R1011	*B6	TP607	K6
C135	*M7	C316	*G4	C815	H6	E900	K1	IC800	J5	LA223	F3	LA618	L4	LA900	H1	R193	*B4	R622	L5	R1012	*C6	TP900	K1
C136	*N5	C317	*H3	C816	H6			IC801	*H6	LA224	F3	LA619	L4	LA901	H1	R194	*A4	R623	K5	R1070	*D7	TP902	J1
C137	*A6	C318	*H2	C817	*H5	FB301	*B1	IC802	*J6	LA225	F3	LA620	L4	LA902	J1	R195	*B4	R624	L6	R1071	*D7	TP904	F1
C138	D7	C319	*H2	C818	H5	FB302	*B1	IC880	*L4	LA226	E2	LA621	L4	LA903	G1	R196	*B6	R625	*K3	R1090	N6	TP905	E1
C139	E6	C320	*H2	C819	*J5	FB400	*E6	IC881	*L4	LA227	E2	LA622	L4	LA904	G1	R197	*B6	R626	*K4	R1091	N6	TP906	J1
C140	B7	C321	J2	C820	H5			IC882	*L4	LA228	E2	LA623	L4	LA905	H1	R198	L7	R627	*K3	R1092	L7	TP908	G1
C141	*D7	C322	J3	C821	*H5	FL1002	*N7	IC883	*L4	LA229	F2	LA624	L4	LA906	F1	R200	E4	R628	*L3	R1093	*K7	TP909	E1
C142	*D6	C323	J4	C822	H6	FL1003	*M7	IC890	*K4	LA230	F2	LA625	L4	LA907	F1	R203	*E3	R630	*L4	R1094	*F7		
C143	*B7	C324	J4	C823	*J6	FL1004	*B5	IC891	*J4	LA231	F2	LA626	L4	LA908	G1	R204	*E3	R639	*K6	R1095	*F7	*:B SIDE	
C144	*N6	C326	G2	C824	*J5	FL1005	*C5	IC892	*K4	LA232	F2	LA627	L4	LA909	E1	R205	*E4	R651	*L2	R1096	*H7		
C145	P5	C327	H2	C825	*J5	FL1006	*C5	IC893	*J4	LA233	E3	LA628	L4	LA910	E1	R206	*F4	R652	*L3	R1097	*D7		
C146	P6	C330	*G2	C826	*J5	FL1007	*C5	IC900	K1	LA234	E3	LA629	L4	LA911	E1	R207	F4	R653	*L3	R1098	*D7		
C147	*N5	C331	*B2	C827	*J5	FL1008	*C5	IC901	*M2	LA235	E2	LA630	L4			R208	*E3	R654	*L3	R1100	*P4		
C149	*P6	C333	B2	C880	*L4	FL1009	*C5	IC902	*M2	LA236	E2	LA631	K4	PS11	L7	R209	*E3	R655	*L3	R1101	*P4		
C150	*N4	C334	*C2	C881	L4	FL1010	*D5	IC904	*J1	LA237	E2	LA632	L4	PS12	K7	R210	*E4	R656	*L2	R1102	*P5		
C151	*B6	C335	*B2	C882	*L4	FL1090	*K7	IC905	*J1	LA238	E2	LA633	L4	PS13	L7	R211	D4	R657	*L3	R1103	*P5		
C152	*B5	C336	C1	C883	*L4	FL1091	*J7	IC906	J1	LA239	F4	LA634	L4	PS15	F7	R302	*G4	R658	*L3	R1180	*B4		
C153	*N4	C337	*B2	C890	*K4	FL1092	*J7	IC907	*J1	LA240	E4	LA635	L4			R307	G2	R659	*L3	R1181	*B4		
C160	C7	C338	*B2	C891	*K4	FL1093	*H7	IC908	H1	LA250	E7	LA636	L4	R100	*A6	R308	G2	R660	*L3	R1182	*B4		
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C190	N6	C343	*B1	C901	*M2	IC103	*P7	IC912	*F1	LA254	E6	LA640	K4	R104	M6	R312	G2	R681	K2	R1193	*B5		
C191	M6	C344	B1	C902	*M2	IC104	*P7	IC913	E1	LA255	E6	LA641	K4	R105	M6	R313	*H3	R682	J2	R1194	*B5		
C192	M6	C390	E2	C903	J1	IC105	*B7	IC915	*E1	LA300	G4	LA642	K4	R106	M6	R314	G2	R683	K3	R1195	*B5		
C193	M6	C391	*D1	C906	*J1	IC106	*A7	IC990	*M1	LA309	G3	LA643	K4	R107	M6	R315	H4	R684	J3	R1196	*A5		
C194	M6	C400	H4	C907	*H1	IC107	*A7	IC991	*M2	LA310	G3	LA644	K4	R108	M6	R316	*C2	R685	K3	R1197	*P5		
C195	M6	C401	G4	C908	*J1	IC108	*M6	IC992	*H6	LA327	G4	LA645	K4	R109	M6	R317	*B2	R686	J3	R1198	*P5		
C196	M6	C402	G4	C909	*G1	IC109	*N5	IC1002	*N7	LA328	F4	LA646	K5	R110	M6	R318	*B2	R687	K2	R1199	*B5		
C197	M6	C403	F4	C910	J2	IC110	*P6	IC1003	*M7	LA329	G4	LA647	K5	R111	N6	R319	*C2	R688	J2				
C200	*E2	C404	G4	C911	*J1	IC111	*N5	IC1004	*D5	LA330	G4	LA648	K5	R112	*P6	R320	*B2	R691	*L3	RB100	*C7		
C201	*E3	C405	F6	C912	*J1	IC112	*N5	IC1090	*N6	LA331	G4	LA649	K4	R113	M7	R321	*B2	R692	*L3	RB102	*C7		
C202	*E3	C406	G6	C913	*J1	IC113	*N7	IC1091	*H7	LA332	G4	LA650	K2	R114	M7	R322	*B2	R693	*L2	RB104	*M6		
C203	*E3	C407	G6	C914	*J1	IC114	*N6	IC1093	*K7	LA333	G4	LA651	K2	R115	*N6	R323	*B2	R694	*L2	RB105	*N7		
C204	*E4	C408	E6	C915	*F1	IC115	*P5	IC1094	*J7	LA334	F4	LA652	L2	R116	*N6	R324	*C1	R695	K4	RB106	*A7		
C205	*F4	C409	*F5	C916	*H1	IC116	*P6	IC1095	*J7	LA335	G4	LA653	L2	R117	M7	R325	*C1	R696	J4	RB107	*A7		
C206	*F3	C410	*G5	C918	H2	IC117	*M7	IC1096	*H7	LA336	G4	LA654	L2	R118	M7	R326	*G2	R697	K3	RB108	*P6		
C207	*F3	C411	*E5	C919	*H1	IC118	*M5	IC1100	*P4	LA337	G2	LA655	L2	R119	*P6	R327	*C1	R698	J3	RB110	*B7		
C208	*F3	C412	*G6	C920	*G1	IC119	*N4	IC1101	*P4	LA338	G3	LA656	K2	R120	D7	R328	*B2	R814	*J5	RB111	*P7		
C209	*F2	C413	*G6	C921	*H1	IC120	*B7	IC1190	*P5	LA339	G3	LA657	L3	R121	*D6	R335	*F2	R815	*J5	RB113	*P7		
C210	*E2	C414	H6	C923	*H1	IC121	*D7	IC1191	*B5	LA340	G3	LA658	L3	R122	D6	R390	*D2	R816	*J5	RB900	K2		
C211	*E2	C415	E6	C925	*G1	IC122	*D6			LA341	G2	LA659	K2	R123	*D6	R391	*D2	R817	*J5	RB901	K2		
C212	*E2	C416	*G5	C926	*M2	IC123	*N5	L10	F7	LA342	G2	LA660	K2	R124	*D6	R392	*D2	R818	*K5	RB902	K1		
C213	*E3	C490	*C3	C928	F2	IC124	*A6	L11	L7	LA343	G2	LA661	L3	R125	*D6	R393	*D2	R820	*H6	RB903	K1		
C214	*E4	C491	C3	C929	*G1	IC125	*B6	L12	K7	LA344	G2	LA662	L3	R126	*D6	R394	*D2	R821	*H6	RB905	K1		
C215	*E4	C492	G7	C930	*F1	IC126	*N4	L13	L7	LA345	G2	LA663	L3	R127	*D6	R395	*D2	R823	H5	RB906	K1		
C216	*F4	C493	*B3	C931	*F1	IC127	*B5	L15	F7	LA346	G2	LA664	L3	R128	*D6	R396	*D2	R824	K5	RB907	K1		
C217	*F3	C494	*B4	C932	*G1	IC128	*C7	L100	C7	LA347	H2	LA665	L3	R129	*D6	R400	*A6	R825	*J5	RB908	K1		
C218	*F3	C495	*G7	C934	*E1	IC129	*N4	L101	C7	LA348	H2	LA666	L3	R130	*D6	R401	G6	R903	*E1	RB909	H1		
C219	*F2	C600	L6	C936	E2	IC130	*P5	L103	P7	LA349	G4	LA667	K3	R131	*D6	R402	G6	R904	*E1	RB910	H1		
C220	*F2	C601	L6	C937	*E1	IC200	E3	L104	P7	LA350	G4	LA668	K3	R132	*D6	R403	G6	R906	*H1	RB911	G1		
C221	*F2	C602	*L6	C938	*E1	IC205	*D4	L105	B7	LA351	G4	LA669	K3	R133	*D6	R404	*F6	R907	*J1	RB912	G1		



DPR-118 -A SIDE-
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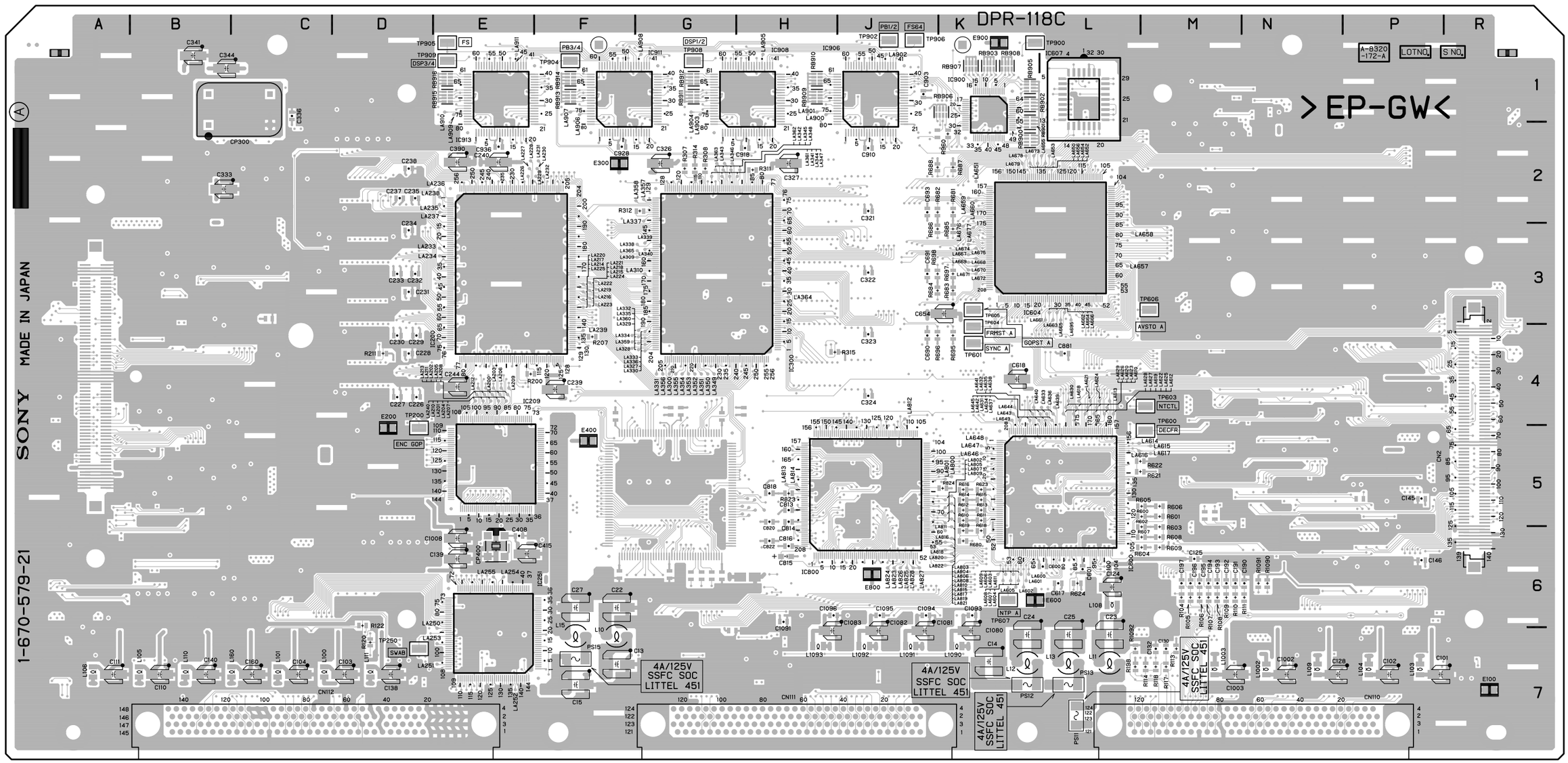
http://getMANUAL.com



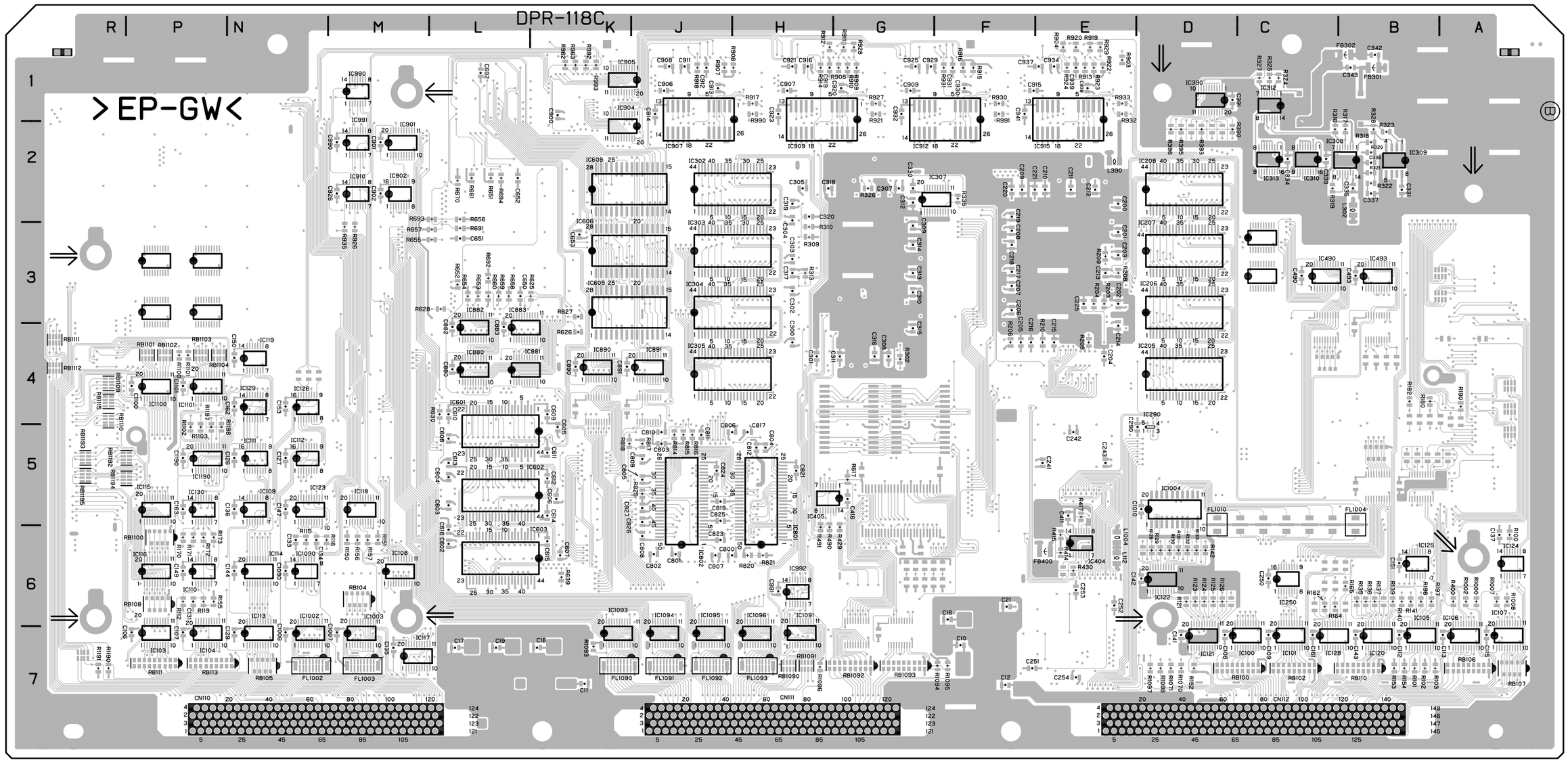
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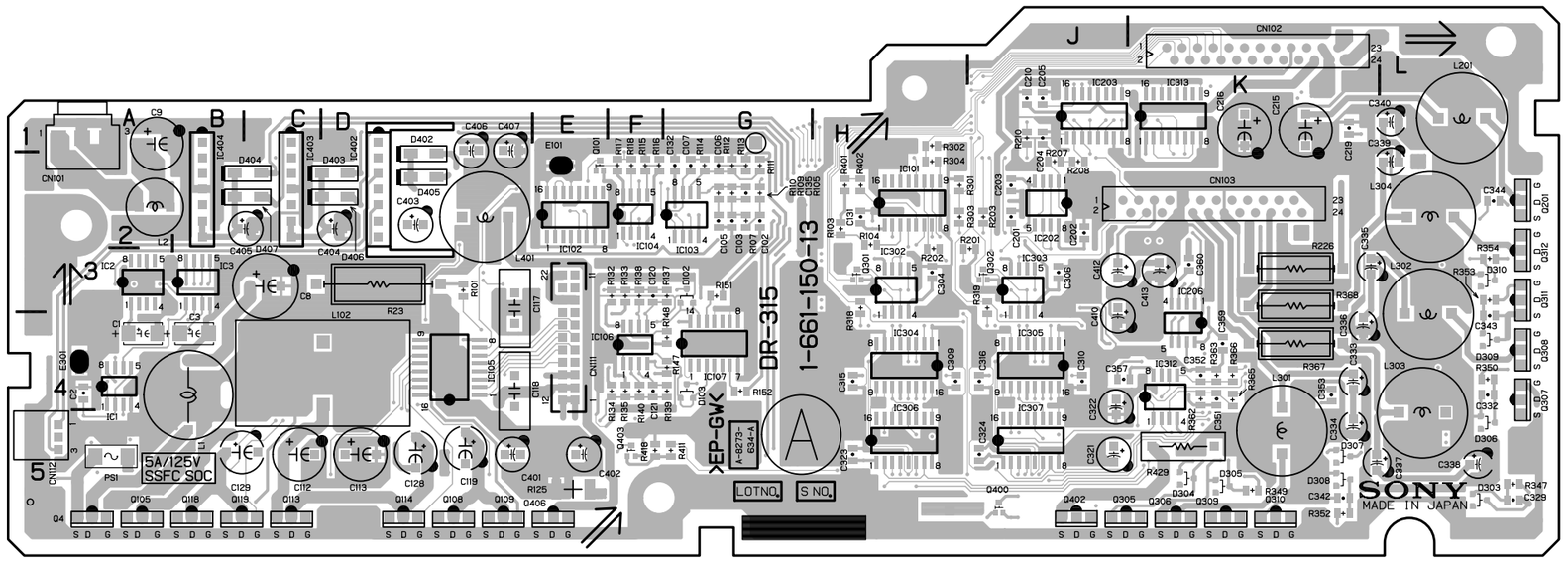
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C11	*K7	C227	D4	C653	*K3	C1101	*P4	IC606	*K3	LA223	F3	LA626	L4	LA908	G1	R317	*B2	R824	K5	RB1093	*G7
C12	*F7	C228	D4	C654	K3	C1190	*P5	IC607	L1	LA224	F3	LA627	L4	LA909	E1	R318	*B2	R825	*J5	RB1100	*P6
C13	F7	C229	D4	C690	J4			IC608	*K2	LA225	F3	LA628	L4	LA910	E1	R319	*C2	R903	*E1	RB1101	*P4
C14	K7	C230	D4	C691	J3	CN2	R5	IC800	J5	LA226	E2	LA629	L4	LA911	E1	R320	*B2	R904	*E1	RB1102	*P4
C15	F7	C231	D3	C692	*L1	CN110	N7	IC801	*H6	LA227	E2	LA630	L4			R321	*B2	R906	*H1	RB1103	*P4
C16	*F6	C232	D3	C693	J2	CN111	H7	IC802	*J6	LA228	E2	LA631	K4	PS11	L7	R322	*B2	R907	*J1	RB1104	*P4
C17	*L7	C233	D3	C800	*J6	CN112	C7	IC880	*L4	LA229	F2	LA632	L4	PS12	K7	R323	*B2	R908	*G1	RB1109	*R4
C18	*K7	C234	D3	C801	*J6			IC881	*L4	LA230	F2	LA633	L4	PS13	L7	R324	*C1	R909	*G1	RB1110	*R4
C19	*L7	C235	D2	C802	*J6	CP300	C1	IC882	*L4	LA231	F2	LA634	L4	PS15	F7	R325	*C1	R910	*G1	RB1111	*R4
C21	*F6	C237	D2	C803	*J5	CP400	E6	IC883	*L4	LA232	F2	LA635	L4			R326	*G2	R911	*G1	RB1112	*R4
C22	F6	C238	D2	C804	*H5			IC890	*K4	LA233	E3	LA636	L4	R100	*A6	R327	*C1	R912	*H1	RB1115	*R4
C23	L7	C239	F4	C805	*J5	E100	R7	IC891	*J4	LA234	E3	LA637	L4	R101	*B7	R328	*B2	R913	*E1	RB1192	*P5
C24	K7	C240	E2	C806	*J5	E200	D5	IC900	K1	LA235	E2	LA638	L4	R102	*B7	R335	*F2	R914	*H1	RB1193	*R5
C25	L7	C241	*E5	C807	*J6	E300	F2	IC901	*M2	LA236	E2	LA639	L4	R103	*B7	R390	*D2	R915	*F1	RB1194	*P5
C27	F6	C242	*E5	C808	*J6	E400	F5	IC902	*M2	LA237	E2	LA640	K4	R104	M6	R393	*D2	R916	*F1	RB1195	*R5
C101	P7	C243	*E5	C809	*J5	E600	K6	IC904	*J1	LA238	E2	LA641	K4	R105	M6	R395	*D2	R917	*H1		
C102	P7	C244	E4	C810	*J5	E800	J6	IC905	*J1	LA239	F4	LA642	K4	R106	M6	R396	*D2	R918	*J1	TP200	D5
C103	D7	C250	*C6	C811	*J5	E900	K1	IC906	J1	LA240	E4	LA643	K4	R107	M6	R400	*A6	R919	*E1	TP250	D7
C104	C7	C251	*F7	C812	*H5			IC907	*J1	LA250	E7	LA644	K4	R108	M6	R414	*E6	R920	*E1	TP600	M5
C106	*P7	C252	*E6	C813	H5	FB301	*B1	IC908	H1	LA251	E7	LA645	K4	R109	M6	R415	*E6	R921	*G1	TP601	K4
C107	*P7	C253	*E6	C814	H5	FB302	*B1	IC909	*G1	LA252	E7	LA646	K5	R110	M6	R417	*E5	R922	*E1	TP603	M4
C108	*D7	C254	*E7	C815	H6	FB400	*E6	IC910	*M2	LA253	E7	LA647	K5	R111	N6	R429	*G6	R923	*E1	TP604	K4
C109	*C7	C290	*D5	C816	H6			IC911	F1	LA254	E6	LA648	K5	R112	*P6	R430	*E6	R924	*E1	TP605	K3
C110	B7	C300	*H4	C817	*H5	FL1002	*N7	IC912	*F1	LA255	E6	LA649	K4	R113	M7	R490	*H6	R926	*M3	TP606	M3
C111	A7	C301	*H4	C818	H5	FL1003	*M7	IC913	E1	LA300	G4	LA650	K2	R114	M7	R491	*H6	R927	*G1	TP607	K6
C112	*B7	C302	*H3	C819	*J5	FL1004	*B5	IC915	*E1	LA309	G3	LA651	K2	R115	*N6	R600	M5	R928	*G1	TP900	K1
C113	*A7	C303	*H3	C820	H5	FL1010	*D5	IC990	*M1	LA310	G3	LA652	L2	R116	*N6	R601	M5	R929	*E1	TP902	J1
C115	*A7	C304	*H2	C821	*H5	FL1090	*K7	IC991	*M2	LA327	G4	LA653	L2	R117	M7	R602	M6	R930	*F1	TP904	F1
C124	L6	C305	*H2	C822	H6	FL1091	*J7	IC992	*H6	LA328	F4	LA654	L2	R118	M7	R603	M6	R931	*F1	TP905	E1
C125	M6	C307	*G2	C823	*J6	FL1092	*J7	IC1002	*N7	LA329	G4	LA655	L2	R119	*P6	R604	M6	R932	*E1	TP906	J1
C126	*N5	C308	*G4	C824	*J5	FL1093	*H7	IC1003	*M7	LA330	G4	LA656	K2	R120	D7	R605	M5	R933	*E1	TP908	G1
C127	*N5	C309	*G3	C825	*J5			IC1004	*D5	LA331	G4	LA657	L3	R121	*D6	R606	M5	R935	*M3	TP909	E1
C128	N7	C310	*G3	C826	*J5	IC100	*D7	IC1090	*N6	LA332	G4	LA658	L3	R122	D6	R607	M6	R960	K2		
C129	*N7	C311	*G4	C827	*J5	IC101	*C7	IC1091	*H7	LA333	G4	LA659	K2	R123	*D6	R608	M6	R962	*K1	*:B SIDE	
C130	M7	C312	*G2	C880	*L4	IC103	*P7	IC1093	*K7	LA334	F4	LA660	K2	R124	*D6	R609	M6	R963	*K1		
C131	*P6	C313	*G3	C881	L4	IC104	*P7	IC1094	*J7	LA335	G4	LA661	L3	R125	*D6	R610	K5	R990	*H1		
C132	M7	C314	*G3	C882	*L4	IC105	*B7	IC1095	*J7	LA336	G4	LA662	L3	R126	*D6	R611	K5	R991	*F1		
C133	*N6	C315	*G4	C883	*L4	IC106	*A7	IC1096	*H7	LA337	G2	LA663	L3	R128	*D6	R612	K5	R992	*K1		
C134	*N6	C316	*G4	C890	*K4	IC107	*A7	IC1100	*P4	LA338	G3	LA664	L3	R129	*D6	R613	K5	R993	*K1		
C135	*M7	C317	*H3	C891	*K4	IC108	*M6	IC1101	*P4	LA339	G3	LA665	L3	R130	*D6	R614	K5	R1000	*A6		
C136	*N5	C318	*H2	C900	*K1	IC109	*N5	IC1190	*P5	LA340	G3	LA666	L3	R131	*D6	R615	K5	R1002	*A6		
C137	*A6	C319	*H2	C901	*M2	IC110	*P6			LA341	G2	LA667	K3	R132	*D6	R616	K5	R1007	*A6		
C138	D7	C320	*H2	C902	*M2	IC111	*N5	L10	F7	LA342	G2	LA668	K3	R133	*D6	R617	*G5	R1008	*A6		
C139	E6	C321	J2	C903	J1	IC112	*N5	L11	L7	LA343	G2	LA669	K3	R135	*B6	R618	K6	R1070	*D7		
C140	B7	C322	J3	C906	*J1	IC113	*N7	L12	K7	LA344	G2	LA670	K3	R136	*B6	R619	K6	R1071	*D7		
C141	*D7	C323	J4	C907	*H1	IC114	*N6	L13	L7	LA345	G2	LA671	K3	R137	*B6	R621	L5	R1090	N6		
C142	*D6	C324	J4	C908	*J1	IC115	*P5	L15	F7	LA346	G2	LA672	K3	R139	*B6	R622	L5	R1091	N6		
C143	*B7	C326	G2	C909	*G1	IC116	*P6	L100	C7	LA347	H2	LA673	K2	R140	*B6	R623	K5	R1092	L7		
C144	*N6	C327	H2	C910	J2	IC117	*M7	L101	C7	LA348	H2	LA674	K3	R141	*B6	R624	L6	R1093	*K7		
C145	P5	C330	*G2	C911	*J1	IC118	*M5	L103	P7	LA349	G4	LA675	K3	R142	*D6	R625	*K3	R1094	*F7		
C146	P6	C331	*B2	C912	*J1	IC119	*N4	L104	P7	LA350	G4	LA676	K3	R150	*M6	R626	*K4	R1095	*F7		
C147	*N5	C333	B2	C913	*J1	IC120	*B7	L105	B7	LA351	G4	LA677	K3	R151	*M6	R627	*K3	R1096	*H7		
C149	*P6	C334	*C2	C914	*J1	IC121	*D7	L106	A7	LA352	G4	LA678	K2	R152	*D7	R628	*L3	R1097	*D7		
C150	*N4	C335	*B2	C915	*F1	IC122	*D6	L108	L6	LA353	G4	LA679	K2	R153	*B7	R630	*L4	R1098	*D7		
C151	*B6	C336	C1	C916	*H1	IC123	*N5	L109	N7	LA354	G4	LA695	L3	R154	*B7	R639	*K6	R1100	*P4		
C153	*N4	C337	*B2	C918	H2	IC124	*A6	L110	B7	LA355	G4	LA800	K5	R155	*P6	R651	*L2	R1101	*P4		
C160	C7	C338	*B2	C919	*H1	IC125	*B6	L111	D7	LA356	G4	LA801	K5	R156	*M6	R652	*L3	R1102	*P5		
C161	*C7	C339	*C2	C920	*G1	IC126	*N4	L112	*E6	LA357	G2	LA802	K5	R157	*M6	R653	*L3	R1103	*P5		
C162	*N4	C341	B1	C921	*H1	IC128	*C7	L160	C7	LA358	G2	LA803	K5	R162	*C6	R654	*L3	R1190	*R7		
C163	*P5	C342	*B1	C923	*H1	IC129	*N4	L302	*B2	LA359	F4	LA804	K5	R164	*C6	R655	*L3	R1191	*R7		
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C191	M6	C344	B1	C926	*M2	IC200	E3	L1002	N7	LA361	G2	LA806	K5	R170	*P6	R657	*L3	R1198	*P5		
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C204	*E4	C602	*L6	C941	*F1	IC303	*J3	LA203	E4	LA606	K6	LA817	K6	R203	*E3	R685	K3	RB113	*P7		
C205	*F4	C603	*L5	C990	*M2	IC304	*J4	LA204	E4	LA607	K6	LA818	K6	R204	*E3	R686	J3	RB900	K2		
C206	*F3	C604	*L5	C991	*H6	IC305	*J4	LA205	E4	LA608	K6	LA819	K6	R205	*E4	R687	K2	RB901	K2		
C207	*F3	C605	*K5	C1002	N7	IC307	*G2	LA206	E4	LA609	K6	LA820	K6	R206	*F4	R688	J2	RB902	K1		
C208	*F3	C606	*K5	C1003	M7	IC308	*B2	LA207	E4	LA610	L4	LA821	K6	R207	F4	R691	*L3	RB903	K1		
C209	*F2	C607	*K6	C1006	*N7	IC309	*B2	LA208	E4	LA611	K6	LA822	K6	R208	*E3	R692	*L3	RB905	K1		
C210	*E2	C608	*L5	C1007	*M7	IC310	*C2	LA209	E4	LA612	L4	LA823	J6	R209	*E3	R693	*L2	RB906	K1		
C211	*E2	C609	*K4	C1008	E6	IC312	*C1	LA210	E4	LA613	L4	LA824	J6	R210	*E4	R694	*L2	RB907	K1		
C212	*E2	C610	*L4	C1010	*D5	IC313	*C2	LA211	E4	LA614	L5	LA825	J6	R211	D4	R695	K4	RB908	K1		
C213	*E3	C611	*K5	C1080	K7	IC390	*D1	LA212	E4	LA615	M5	LA826	J6	R302	*G4	R696	J4	RB909	H1		
C214	*E4	C612	*K5	C1081	J7	IC404	*E6	LA213	E4	LA616	L5	LA827	J6	R307	G2	R697	K3	RB910	H1		
C215	*E4	C613	*L5	C1082	J7	IC405	*G5	LA214	F3	LA617	M5	LA828	J6	R308	G2	R698	J3	RB911	G1		
C216	*F4	C614	*K5	C1083	H7	IC490	*C3	LA215	F3	LA618	L4	LA900	H1	R309	*H3	R814	*J5	RB912	G1		
C217	*F3	C615	*K6	C1090	*N6	IC493	*B3	LA216	F3	LA619	L4	LA901	H1	R310	*H3	R815	*J5	RB913	F1		
C218	*F3	C616	*L6	C1091	H6	IC600	L5	LA217	F3	LA620	L4	LA902	J1	R311	H2	R816	*J5	RB914	F1		
C219	*F2	C617	L6	C1093	K6	IC601	*K4	LA218	F3	LA621	L4	LA903	G1	R312	G2	R817	*J5	RB915	E1		
C220	*F2	C618	K4	C1094	J6	IC602	*K5	LA219	F3	LA622	L4	LA904	G1	R313	*H3	R818	*K5	RB916	E1		
C221	*F2	C650	*L3	C1095	J6	IC603	*K6	LA220	F3	LA623	L4	LA905	H1	R314	G2	R820	*H6	RB1090	*H7		
C225	*E3	C651	*L3	C1096	H6	IC604	L3	LA221	F3	LA624	L4	LA906	F1	R315	H4	R821	*H6	RB1091	*H7		



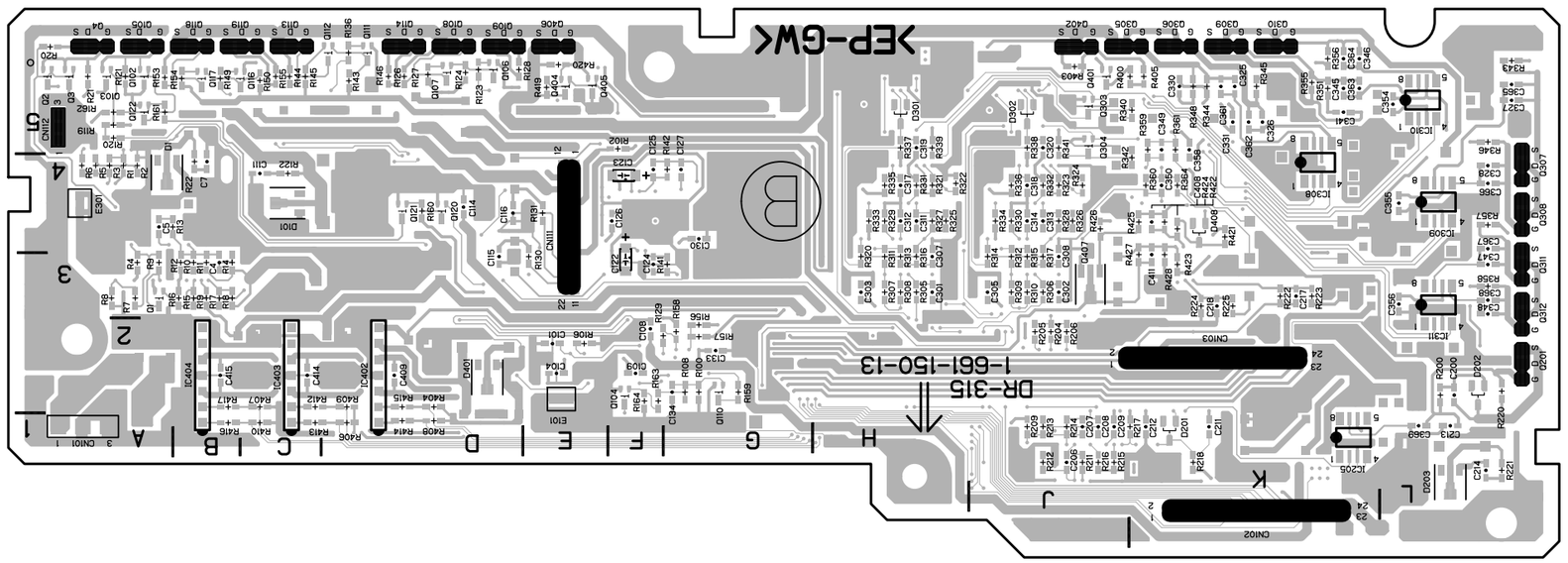
DPR-118C -A SIDE-
SUFFIX: -21



DPR-118C -B SIDE-
SUFFIX: -21



DR-315 -A SIDE-
SUFFIX: -13



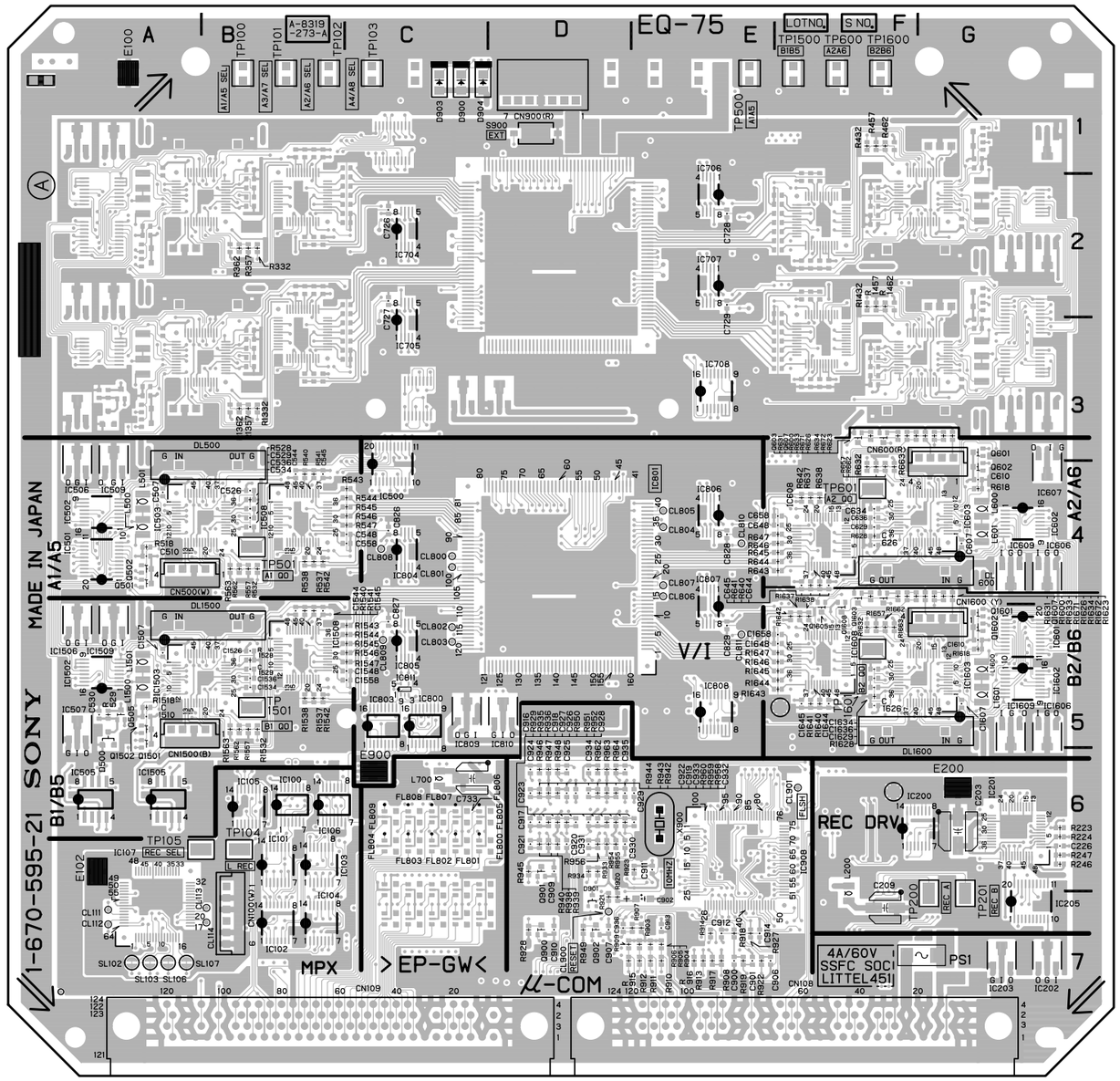
DR-315 -B SIDE-
SUFFIX: -13

DR-315 (1-661-150-13)

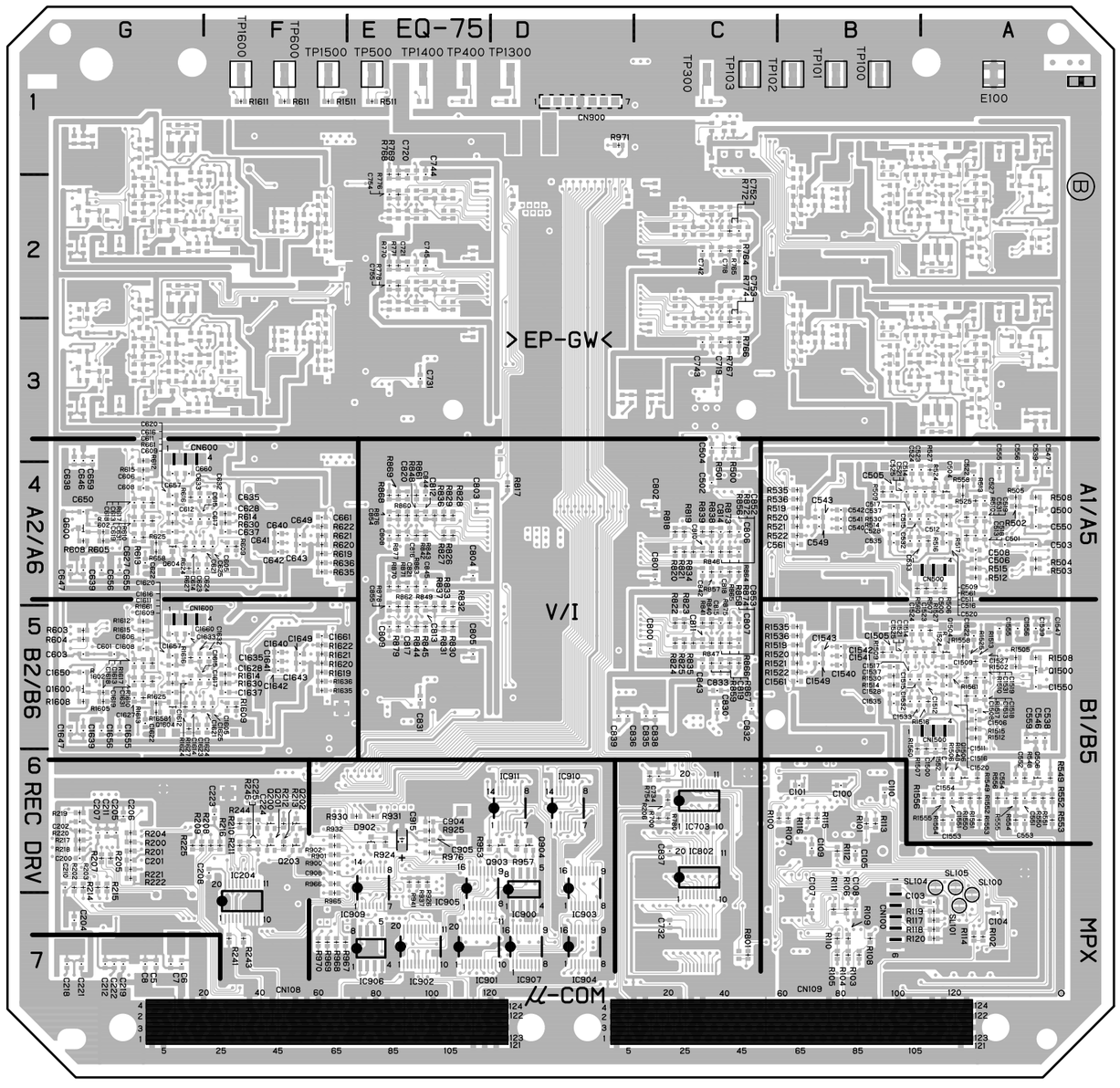
C1	A4	C331	*K5	IC3	B3	R6	*A4	R209	*J1	R407	*C2
C2	A4	C332	L4	IC101	H2	R7	*A3	R210	J1	R408	*D1
C3	B4	C333	K4	IC102	E2	R8	*A3	R211	*J1	R409	*D2
C4	*B3	C334	K5	IC103	G2	R9	*A3	R212	*J1	R410	*C1
C5	*A4	C335	K3	IC104	F2	R10	*B3	R213	*J1	R411	G5
C7	*B4	C336	K4	IC105	D4	R11	*B3	R214	*J1	R412	*C2
C8	C3	C337	K5	IC106	F4	R12	*B3	R215	*J1	R413	*C1
C9	A1	C338	L5	IC107	G4	R13	*A4	R216	*J1	R414	*D1
C101	*E2	C339	L2	IC202	J2	R14	*B3	R217	*K1	R415	*D2
C102	G2	C340	L1	IC203	J1	R15	*B3	R218	*K1	R416	*B1
C103	G2	C341	*K5	IC205	*K1	R16	*B3	R220	*L2	R417	*B2
C104	*E2	C342	K5	IC206	K3	R17	*B3	R221	*L1	R418	F5
C105	G2	C343	L4	IC302	H3	R18	*B3	R222	*K3	R419	*E5
C106	G2	C344	L2	IC303	J3	R19	*B3	R223	*K3	R420	*E5
C107	G2	C345	*K5	IC304	H4	R20	*A5	R224	*K3	R421	*K4
C108	*F2	C346	*K5	IC305	J4	R21	*A5	R225	*K3	R422	*K4
C109	*F2	C347	*L3	IC306	H5	R22	*B4	R226	K3	R423	*K3
C111	*C4	C348	*L3	IC307	J5	R23	D3	R301	H2	R424	*K4
C112	C5	C349	*K5	IC308	*K4	R100	*G2	R302	H1	R425	*K4
C113	D5	C350	*K4	IC309	*L4	R101	D3	R303	H2	R426	*J4
C114	*D4	C351	K4	IC310	*L5	R102	*F5	R304	H2	R427	*K3
C115	*D3	C352	K4	IC311	*L2	R103	H2	R305	*H3	R428	*K3
C116	*D4	C353	K4	IC312	K5	R104	H2	R306	*J3	R429	K5
C117	D3	C354	*L5	IC313	K1	R105	G2	R307	*H3		
C118	D4	C355	*L4	IC402	D1	R106	*E2	R308	*H3	*:B SIDE	
C119	D5	C356	*L3	IC403	C1	R107	G2	R309	*J3		
C120	F3	C357	J4	IC404	B1	R108	*G2	R310	*J3		
C121	F4	C358	*K5			R109	G2	R311	*H3		
C122	*F3	C359	K4	L1	B4	R110	G2	R312	*J3		
C123	*F4	C360	K3	L2	A2	R111	G2	R313	*H3		
C124	*F3	C361	*K5	L102	D4	R112	G2	R314	*J3		
C125	*F4	C362	*K5	L201	L1	R113	G2	R315	*J3		
C126	*F4	C363	*K5	L301	K5	R114	G2	R316	*H3		
C127	*G4	C364	*K5	L302	L4	R115	F2	R317	*J3		
C128	D5	C365	*L5	L303	L5	R116	F2	R318	H3		
C129	B5	C366	*L4	L304	L2	R117	F2	R319	J3		
C130	*G4	C367	*L4	L401	D2	R118	F2	R320	*H3		
C131	H2	C368	*L3			R119	*A5	R321	*H4		
C132	G2	C369	*L1	PS1	A5	R120	*A5	R322	*H4		
C133	*G2	C401	D5			R121	*A5	R323	*J4		
C134	*G2	C402	E5	Q1	*A3	R122	*C4	R324	*J4		
C135	G2	C403	D2	Q2	*A5	R123	*D5	R325	*H4		
C200	*L2	C404	D2	Q3	*A5	R124	*D5	R326	*J4		
C201	J2	C405	C2	Q4	*A5	R125	E5	R327	*H4		
C202	J2	C406	D1	Q101	E2	R126	*D5	R328	*J4		
C203	J2	C407	D1	Q102	*A5	R127	*D5	R329	*H4		
C204	J1	C408	*K4	Q103	*A5	R128	*D5	R330	*J4		
C205	J1	C409	*D2	Q104	*F2	R129	*F2	R331	*H4		
C206	*J1	C410	J4	Q105	*A5	R130	*E3	R332	*J4		
C207	*J1	C411	*K3	Q106	*D5	R131	*E4	R333	*H4		
C208	*J1	C412	J3	Q107	*D5	R132	F3	R334	*J4		
C209	*J1	C413	K3	Q108	*D5	R133	F3	R335	*H4		
C210	J1	C414	*C2	Q109	*D5	R134	F4	R336	*J4		
C211	*K1	C415	*B2	Q110	*G2	R135	F4	R337	*H5		
C212	*K1			Q111	*D5	R136	*D5	R338	*J5		
C213	*L1	CN101	A1	Q112	*D5	R137	G3	R339	*H5		
C214	*L1	CN102	K1	Q113	*C5	R138	F3	R340	*K5		
C215	K1	CN103	K2	Q114	*D5	R139	G4	R341	*J5		
C216	K1	CN111	E4	Q116	*B5	R140	F4	R342	*K4		
C217	*K3	CN112	A5	Q117	*B5	R141	*G3	R343	*L5		
C218	*K3			Q118	*B5	R142	*G4	R344	*K5		
C219	K1	D1	*A4	Q119	*C5	R143	*D5	R345	*K5		
C301	*H3	D101	*C4	Q120	*D4	R144	*C5	R346	*L5		
C302	*J3	D102	G3	Q121	*D4	R145	*C5	R347	L5		
C303	*H3	D103	G4	Q122	*A5	R146	*D5	R348	*K5		
C304	H3	D201	*K1	Q201	*L2	R147	G4	R349	K5		
C305	*J3	D202	*L2	Q301	H3	R148	G4	R350	L4		
C306	J3	D203	*L1	Q302	J3	R149	*B5	R351	*K5		
C307	*H3	D301	*H5	Q303	*J5	R150	*C5	R352	K5		
C308	*J3	D302	*J5	Q304	*J5	R151	G3	R353	L3		
C309	H4	D303	L5	Q305	*J5	R152	G4	R354	L3		
C310	J4	D304	K5	Q306	*K5	R153	*A5	R355	*K5		
C311	*H4	D305	K5	Q307	*L4	R154	*B5	R356	*K5		
C312	*H4	D306	L5	Q308	*L4	R155	*C5	R357	*L4		
C313	*J4	D307	K5	Q309	*K5	R156	*G2	R358	*L3		
C314	*J4	D308	K5	Q310	*K5	R157	*G2	R359	*K5		
C315	H4	D309	L4	Q311	*L3	R158	*G2	R360	*K4		
C316	J4	D310	L3	Q312	*L3	R159	*G2	R361	*K5		
C317	*H4	D401	*D2	Q400	J5	R160	*D4	R362	K4		
C318	*J4	D402	D2	Q401	*J5	R161	*A5	R363	K4		
C319	*H5	D403	D2	Q402	*J5	R162	*A5	R364	*K4		
C320	*J5	D404	C2	Q403	F5	R163	*F2	R365	K4		
C321	J5	D405	D2	Q404	*E5	R164	*F2	R366	K4		
C322	J4	D406	D2	Q405	*E5	R200	*L2	R367	K4		
C323	H5	D407	C2	Q406	*E5	R201	J3	R368	K3		
C324	J5	D408	*K4	Q407	*J3	R202	H3	R400	*K5		
C325	*K5					R203	J2	R401	H2		
C326	*K5	E101	E2	R1	*A4	R204	*J2	R402	H2		
C327	*L5	E301	A4	R2	*A4	R205	*J2	R403	*J5		
C328	*L4			R3	*A4	R206	*J2	R404	*D2		
C329	L5	IC1	A4	R4	*A3	R207	J2	R405	*K5		
C330	*K5	IC2	A3	R5	*A4	R208	J2	R406	*D1		

EQ-75 (1-670-595-21,22)

C5	*G7	C559	*A5	C816	*E4	C1534	B5	CL901	F6	IC905	*E7	R204	*G6	R602	*G4
C6	*G7	C561	*B4	C817	*E5	C1535	*B5			IC906	*E7	R205	*G6	R603	*G5
C7	*G7	C601	*G5	C818	*C4	C1536	B5	CN100	B7	IC907	*D7	R206	*C6	R604	*G5
C8	*G7	C603	*G5	C819	*C5	C1537	*B5	CN108	F7	IC908	E6	R207	*G6	R605	*G4
C100	*B6	C605	*F4	C820	*E4	C1539	*A5	CN109	B7	IC909	*E7	R208	*F6	R608	*G4
C101	*B6	C606	*G4	C821	*E4	C1540	*B5	CN500	A4	IC910	*D6	R209	*G6	R609	*F4
C103	*A7	C607	G4	C826	C4	C1541	*B5	CN600	G3	IC911	*D6	R210	*F6	R610	*G4
C104	*A7	C608	*G4	C827	C5	C1542	*B5	CN900	D1	IC1502	A5	R211	*F6	R611	*F1
C105	*B6	C609	*G4	C828	E4	C1543	*B5	CN1500	A5	IC1503	A5	R212	*F6	R612	*G3
C107	*B7	C610	G4	C829	E5	C1544	B5	CN1600	G5	IC1505	A6	R213	*F6	R613	*G4
C108	*B7	C611	*G4	C830	*C5	C1545	B5			IC1506	A5	R214	*G6	R614	*F4
C109	*B6	C612	*G4	C831	*E5	C1547	*A5	D500	A5	IC1508	B5	R215	*G6	R615	*G4
C110	*B6	C613	*G4	C832	*C5	C1548	C5	D900	C1	IC1509	A5	R216	*F6	R616	*G4
C200	*G6	C614	*G4	C833	*C5	C1549	*B5	D901	D7	IC1602	G5	R217	*G6	R617	*G4
C201	*G6	C615	*G4	C835	*C5	C1550	*A5	D902	*E6	IC1603	G5	R218	*G6	R618	G4
C202	*G6	C616	*G4	C836	*D5	C1551	*A6	D903	C1	IC1606	G5	R219	*G6	R619	*F4
C203	G6	C617	*F4	C837	*C6	C1552	*A6	D904	C1	IC1608	F5	R220	*G6	R620	*F4
C204	*G7	C618	*G4	C838	*C5	C1553	*A6			IC1609	G5	R221	*G6	R621	*F4
C205	*G6	C619	*G4	C839	*D5	C1554	*A6	DL500	B4			R222	*G6	R622	*F4
C206	*G6	C620	*G4	C842	*C4	C1555	*A5	DL600	F4	L200	F7	R223	G6	R623	G3
C207	*G6	C621	*G4	C843	*C5	C1556	*A5	DL1500	B5	L500	A4	R224	G6	R624	*G4
C208	*F6	C622	*G4	C844	*E4	C1558	C5	DL1600	F5	L501	A4	R225	*G6	R625	*G4
C209	F7	C623	*G4	C845	*E4	C1561	*B5			L600	G4	R241	*F7	R626	G3
C210	*G6	C624	*F4	C852	*C4	C1605	*F5	E100	A1	L601	G4	R243	*F7	R627	*G4
C211	*G6	C625	*F4	C853	*C5	C1606	*G5	E102	A6	L700	C6	R244	*F6	R628	F4
C212	*G7	C626	F4	C854	*E4	C1607	G5	E200	G6	L1500	A5	R245	*F6	R630	*F4
C218	*G7	C627	*G4	C855	*E5	C1608	*G5	E900	C6	L1501	A5	R246	G6	R631	F3
C219	*G7	C628	*F4	C900	E7	C1609	*G5			L1600	G5	R247	G6	R632	F4
C221	*G7	C629	F4	C901	E7	C1610	G5	FL800	C6	L1601	G5	R332	B2	R633	F3
C222	*G7	C631	*G4	C902	E7	C1611	*G5	FL801	C6			R357	B2	R634	G3
C223	*F6	C632	*F4	C904	*E6	C1612	*G5	FL802	C6	PS1	G7	R362	B2	R635	*F4
C224	*F6	C633	*G4	C905	*E6	C1613	*G5	FL803	C6			R432	F1	R636	*F4
C225	*F6	C634	F4	C906	E7	C1614	*G5	FL804	C6	Q200	*F6	R457	F1	R637	F4
C226	G6	C635	*F4	C907	D7	C1615	*G5	FL805	C6	Q201	*F6	R462	F1	R638	F4
C500	*A4	C636	F4	C908	*F6	C1616	*G5	FL806	C6	Q202	*F6	R500	*C3	R640	F4
C501	*A4	C637	*F4	C909	D6	C1617	*F5	FL807	C6	Q203	*F6	R501	*C3	R641	F4
C502	*C4	C638	*G3	C910	D7	C1618	*G5	FL808	C6	Q500	*A4	R502	*A4	R642	F4
C503	*A4	C639	*G4	C911	E6	C1619	*G5	FL809	C6	Q501	A4	R503	*A4	R643	F4
C504	*C3	C640	*F4	C912	E7	C1620	*G5			Q502	A4	R504	*A4	R644	F4
C505	*B4	C641	*F4	C913	E7	C1621	*G5	IC100	B6	Q504	*A4	R505	*A4	R645	F4
C506	*A4	C642	*F4	C914	E7	C1622	*G5	IC101	B6	Q505	A5	R506	*A4	R646	F4
C507	A4	C643	*F4	C915	*E6	C1623	*G5	IC102	B7	Q506	*A6	R507	*A4	R647	F4
C508	*A4	C644	F4	C916	D6	C1624	*F5	IC103	B6	Q600	*G4	R508	*A4	R657	F4
C509	*A4	C645	F4	C917	D6	C1625	*F5	IC104	B7	Q601	G3	R509	*B4	R658	*G4
C510	A4	C646	*G3	C918	D6	C1626	F5	IC105	B6	Q602	G4	R510	*A4	R661	*G4
C511	*A4	C647	*G4	C919	D6	C1627	*G5	IC106	B6	Q603	F3	R511	*E1	R662	F4
C512	*A4	C648	F4	C920	D6	C1628	*F5	IC107	A7	Q604	*G4	R512	*A4	R663	F4
C513	*A4	C649	*F4	C921	D6	C1629	F5	IC200	F6	Q607	F3	R513	*A4	R671	F3
C514	*A4	C650	*G4	C922	D6	C1631	*G5	IC201	G6	Q900	D7	R514	*B4	R672	G3
C515	*B4	C655	*G4	C923	D6	C1632	*F5	IC202	G7	Q901	D6	R515	*A4	R700	*C6
C516	*A4	C656	*G4	C924	D6	C1633	*G5	IC203	G7	Q902	D7	R516	*A4	R754	*C6
C517	*B4	C657	*G4	C925	D6	C1634	F5	IC204	*F7	Q903	*D6	R517	*A4	R764	*C2
C518	*A4	C658	F4	C926	D6	C1635	*F5	IC205	G7	Q904	*D6	R518	A4	R765	*C2
C519	*A4	C659	*G3	C927	D6	C1636	F5	IC500	C4	Q1500	*A5	R519	*B4	R766	*C3
C520	*A4	C660	*G4	C928	E6	C1637	*F5	IC501	A4	Q1501	A5	R520	*B4	R767	*C3
C521	*B4	C661	*F4	C929	E6	C1639	*G5	IC502	A4	Q1502	A5	R521	*B4	R768	*E1
C522	*A4	C718	*C2	C930	D6	C1640	*F5	IC503	A4	Q1504	*A5	R522	*B4	R769	*E1
C523	*A4	C719	*C3	C931	D6	C1641	*F5	IC505	A6	Q1506	*A6	R524	*A4	R770	*E2
C524	*B4	C720	*E1	C932	D6	C1642	*F5	IC506	A3	Q1600	*G5	R525	*A4	R771	*E2
C525	*B4	C721	*E2	C933	D6	C1643	*F5	IC507	A5	Q1601	G5	R527	*A4	R772	*C2
C526	B4	C726	C2	C934	D6	C1644	F5	IC508	B4	Q1602	G5	R528	B4	R774	*C3
C527	*A4	C727	C2	C935	D6	C1645	F5	IC509	A3	Q1603	F4	R529	A5	R776	*E2
C528	*B4	C728	E2	C936	D7	C1647	*G5	IC601	G5	Q1604	*G5	R530	*B4	R778	*E2
C529	B4	C729	E2	C1500	*A5	C1648	F5	IC602	G4	Q1605	F5	R532	B4	R780	*C6
C530	A5	C731	*E3	C1505	*B5	C1649	*F5	IC603	G4	Q1607	F4	R535	*B4	R801	*C7
C531	*A4	C732	*C7	C1506	*A5	C1650	*G5	IC606	G4	Q1608	F5	R536	*B4	R817	*D4
C532	*B4	C733	C6	C1507	A5	C1655	*G5	IC607	G4			R537	B4	R818	*C4
C533	*B4	C734	*C6	C1508	*A5	C1656	*G5	IC608	F4	R100	*B6	R538	B4	R819	*C4
C534	B4	C742	*C2	C1509	*A5	C1657	*G5	IC609	G4	R101	*B6	R540	B4	R820	*C4
C535	*B4	C743	*C3	C1510	A5	C1658	F5	IC703	*C6	R102	*A7	R541	B4	R821	*C4
C536	B4	C744	*E1	C1511	*A5	C1660	*G5	IC704	C2	R103	*B7	R542	B4	R822	*C5
C537	*B4	C745	*E2	C1512	*A5	C1661	*F5	IC705	C3	R104	*B7	R543	C4	R823	*C5
C538	*A5	C752	*C2	C1513	*A5			IC706	E2	R105	*B7	R544	C4	R824	*C5
C539	*A4	C753	*C3	C1514	*A5	CL111	A7	IC707	E2	R106	*B7	R545	C4	R825	*C5
C540	*B4	C754	*E2	C1515	*B5	CL112	A7	IC708	E3	R107	*B6	R546	C4	R826	*E4
C541	*B4	C755	*E2	C1516	*A5	CL113	B7	IC800	C5	R108	*B7	R547	C4	R827	*E4
C542	*B4	C800	*C5	C1517	*B5	CL114	B7	IC801	D4	R109	*B7	R548	*A6	R828	*E4
C543	*B4	C801	*C4	C1518	*A5	CL200	F5	IC802	*C7	R110	*B7	R549	*A6	R829	*E4
C544	B4	C802	*C4	C1519	*A5	CL800	C4	IC803	C5	R111	*B7	R550	*A6	R830	*E5
C545	B4	C803	*E4	C1520	*A5	CL801	C4	IC804	C4	R112	*B6	R551	*A6	R831	*E5
C546	*A5	C804	*E4	C1521	*B5	CL802	C5	IC805	C5	R113	*B6	R552	*A6	R832	*E5
C547	*A4	C805	*E5	C1522	*A5	CL803	C5	IC806	E4	R114	*A7	R553	*A6	R833	*E5
C548	C4	C806	*C4	C1523	*A5	CL804	E4	IC807	E4	R115	*B6	R554	*A6	R834	*C4
C549	*B4	C807	*C5	C1524	*B5	CL805	E4	IC808	E5	R116	*B6	R555	*A6	R835	*C5
C550	*A4	C808	*E4	C1525	*B5	CL806	E4	IC809	C5	R117	*A7	R556	*A6	R836	*E4
C551	*A6	C809	*E5	C1526	B5	CL807	E4	IC810	D5	R118	*A7	R557	B4	R837	*E5
C552	*A6	C810	*C4	C1527	*A5	CL808	C4	IC811	C5	R119	*A7	R558	*A4	R838	*C4
C553	*A6	C811	*C5	C1528	*B5	CL809	C5	IC900	*D7	R120	*A7	R560	*B4	R839	*C4
C554	*A6	C812	*E4	C1529	B5	CL810	E4	IC901	*E7	R200	*G6	R561	*A4	R840	*C5
C555	*A4	C813	*E5	C1531	*A5	CL811	E5	IC902	*E7	R201	*G6	R562	B4	R841	*C5
C556	*A4	C814	*C4	C1532	*B5	CL812	F6	IC903	*D7	R202	*G6	R563	B4	R842	*E4
C558	C4	C815	*C5	C1533	*B5	CL900	D7	IC904	*D7	R203	*G6	R600	F3	R843	*E4



EQ-75 -A SIDE-
SUFFIX: -21, 22

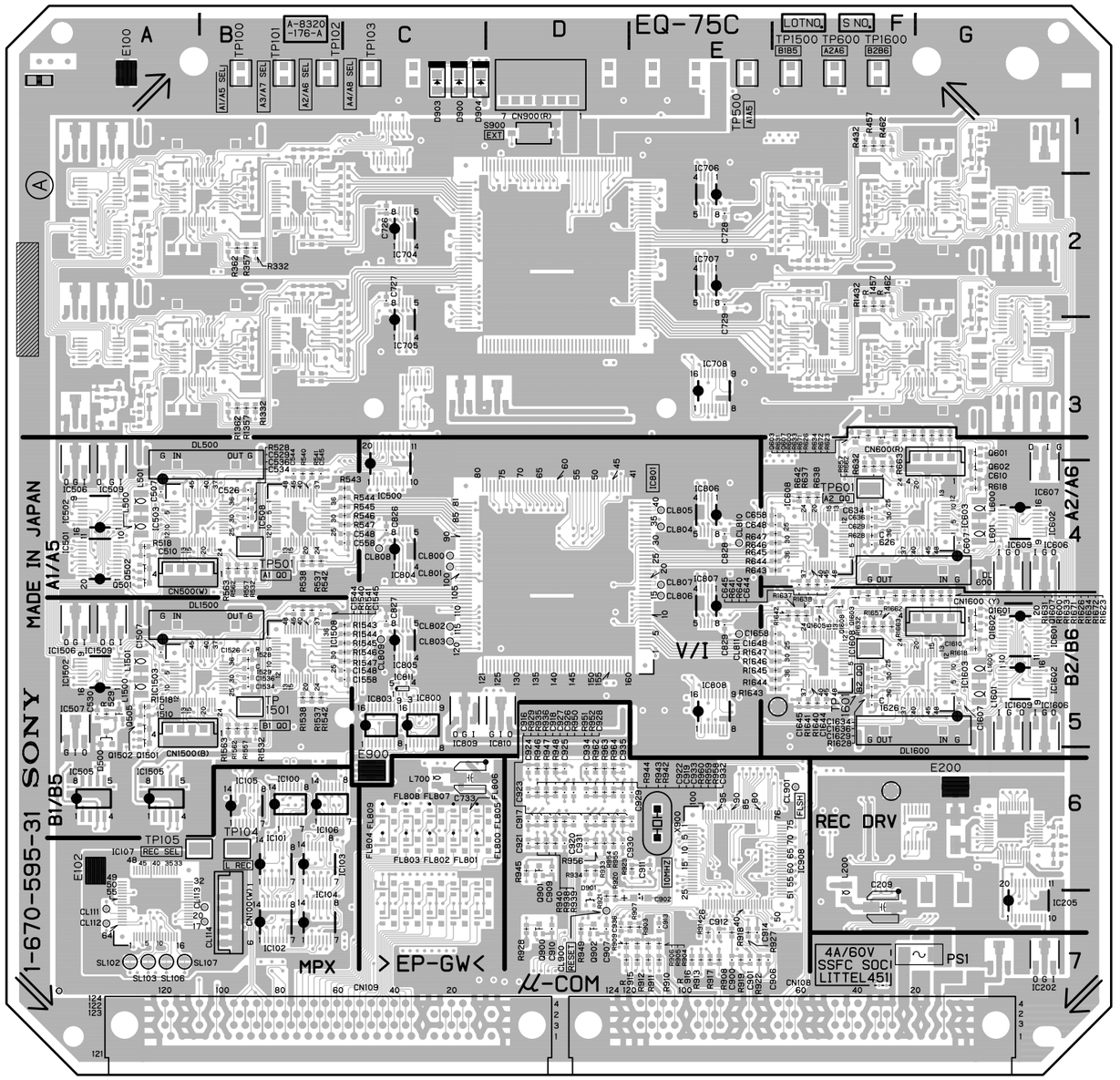


EQ-75 -B SIDE-
SUFFIX: -21, 22

R844	*E5	R963	D6	R1630	*F5
R845	*E5	R964	D6	R1631	F4
R846	*C4	R965	*F7	R1632	F5
R847	*C5	R966	*F6	R1633	F4
R848	*E4	R967	*F7	R1634	G4
R849	*E5	R968	*F7	R1635	*F5
R856	*C4	R969	*F7	R1636	*F5
R857	*C4	R970	*F7	R1637	F5
R858	*C5	R971	*D1	R1638	F5
R859	*C5	R976	*E6	R1640	F5
R860	*E4	R1332	B3	R1641	F5
R861	*E4	R1357	B3	R1642	F5
R862	*E5	R1362	B3	R1643	F5
R863	*E4	R1432	F2	R1644	F5
R864	*C4	R1457	F2	R1645	F5
R865	*C4	R1462	F2	R1646	F5
R866	*C5	R1502	*A5	R1647	F5
R867	*C5	R1505	*A5	R1657	F5
R868	*E4	R1506	*A5	R1658	*G5
R869	*E4	R1507	*A5	R1661	*G5
R870	*E4	R1508	*A5	R1662	F5
R871	*E4	R1509	*B5	R1663	F5
R872	*C4	R1510	*A5	R1671	F4
R873	*C4	R1511	*F1	R1672	G4
R874	*C5	R1512	*A5		
R875	*C5	R1513	*A5	S900	D1
R876	*E4	R1514	*B5		
R877	*E4	R1515	*A5	SL100	*A7
R878	*E5	R1516	*A5	SL101	*A7
R879	*E5	R1517	*A5	SL102	A7
R900	*F6	R1518	A5	SL103	A7
R901	*F6	R1519	*B5	SL104	*A6
R902	*F6	R1520	*B5	SL105	*A6
R903	E7	R1521	*B5	SL106	A7
R904	E7	R1522	*B5	SL107	A7
R905	E7	R1524	*A5		
R906	E7	R1525	*A5	TP100	B1
R907	E7	R1527	*A5	TP101	B1
R908	E7	R1528	B5	TP102	B1
R909	D7	R1530	*B5	TP103	C1
R910	E7	R1532	B5	TP104	B6
R911	E7	R1535	*B5	TP105	A6
R912	E7	R1536	*B5	TP200	G7
R913	E7	R1537	B5	TP201	G7
R914	E7	R1538	B5	TP500	E1
R915	D7	R1540	B5	TP501	B4
R916	E7	R1541	B5	TP600	F1
R917	E7	R1542	B5	TP601	F4
R918	E7	R1543	C5	TP1500	F1
R919	E7	R1544	C5	TP1501	B5
R920	D7	R1545	C5	TP1600	F1
R921	D7	R1546	C5	TP1601	F5
R922	E7	R1547	C5		
R923	E6	R1548	*A6	X900	E6
R924	*E6	R1549	*A6		
R925	*E6	R1550	*A6	*:B SIDE	
R926	*E6	R1551	*A6		
R927	E7	R1552	*A6		
R928	D7	R1553	*A6		
R929	D6	R1554	*A6		
R930	*E6	R1555	*A6		
R931	*E6	R1556	*A6		
R932	*F6	R1557	B5		
R933	D6	R1558	*A5		
R934	D6	R1560	*B5		
R935	D6	R1561	*A5		
R936	D6	R1562	B5		
R937	*E6	R1563	B5		
R938	D6	R1600	F4		
R939	D6	R1602	*G5		
R940	D6	R1605	*G5		
R941	*E6	R1608	*G5		
R942	D6	R1609	*F5		
R943	D6	R1610	*G5		
R944	D6	R1611	*F1		
R945	D6	R1612	*G5		
R946	D6	R1613	*G5		
R947	D6	R1614	*F5		
R948	D6	R1615	*G5		
R949	D7	R1616	*G5		
R950	D6	R1617	*G5		
R951	D6	R1618	G5		
R952	D6	R1619	*F5		
R953	*E6	R1620	*F5		
R954	D6	R1621	*F5		
R955	D6	R1622	*F5		
R956	D6	R1623	G4		
R957	*D6	R1624	*G5		
R958	D6	R1625	*G5		
R959	D6	R1626	G4		
R960	D6	R1627	*G5		
R962	D6	R1628	F5		

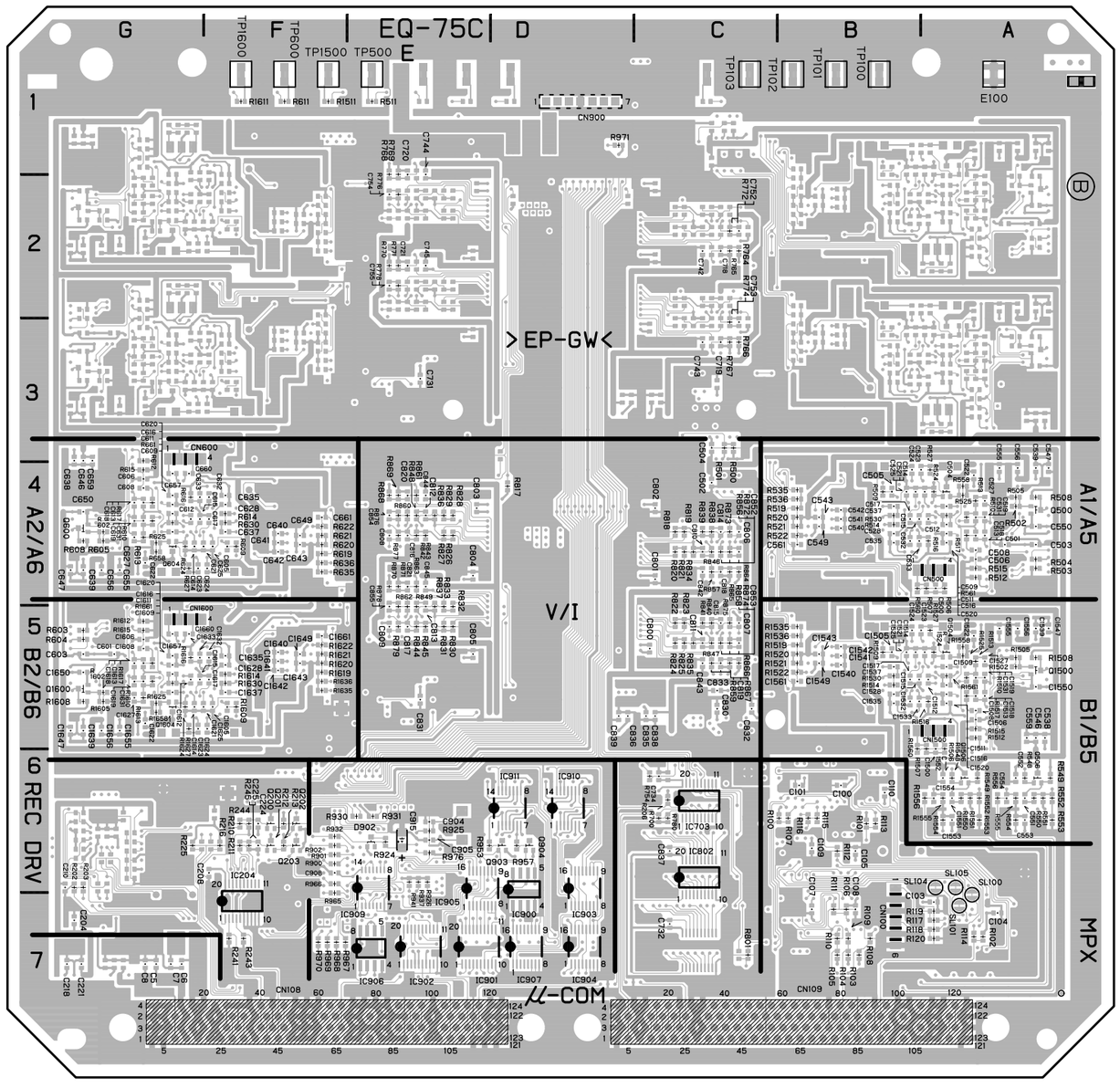
EQ-75C (1-670-595-31)

C5	*G7	C614	*G4	C833	*C5	C1549	*B5	D901	D7	IC1608	F5	R501	*C3	R641	F4
C6	*G7	C615	*G4	C835	*C5	C1550	*A5	D902	*E6	IC1609	G5	R502	*A4	R642	F4
C7	*G7	C616	*G4	C836	*D5	C1551	*A6	D903	C1			R503	*A4	R643	F4
C8	*G7	C617	*F4	C837	*C6	C1552	*A6	D904	C1	L200	F7	R504	*A4	R644	F4
C100	*B6	C618	*G4	C838	*C5	C1553	*A6			L500	A4	R505	*A4	R645	F4
C101	*B6	C619	*G4	C839	*D5	C1554	*A6	DL500	B4	L501	A4	R506	*A4	R646	F4
C103	*A7	C620	*G4	C842	*C4	C1555	*A5	DL600	F4	L600	G4	R507	*A4	R647	F4
C104	*A7	C621	*G4	C843	*C5	C1556	*A5	DL1500	B5	L601	G4	R508	*A4	R657	F4
C105	*B6	C622	*G4	C844	*E4	C1558	C5	DL1600	F5	L700	C6	R509	*B4	R658	*G4
C107	*B7	C623	*G4	C845	*E4	C1561	*B5			L1500	A5	R510	*A4	R661	*G4
C108	*B7	C624	*F4	C852	*C4	C1605	*F5	E100	A1	L1501	A5	R511	*E1	R662	F4
C109	*B6	C625	*F4	C853	*C5	C1606	*G5	E102	A6	L1600	G5	R512	*A4	R663	F4
C110	*B6	C626	F4	C854	*E4	C1607	G5	E200	G6	L1601	G5	R513	*A4	R671	F3
C204	*G7	C627	*G4	C855	*E5	C1608	*G5	E900	C6			R514	*B4	R672	G3
C208	*F6	C628	*F4	C900	E7	C1609	*G5			PS1	G7	R515	*A4	R700	*C6
C209	F7	C629	F4	C901	E7	C1610	G5	FL800	C6			R516	*A4	R754	*C6
C210	*G6	C631	*G4	C902	E7	C1611	*G5	FL801	C6	Q200	*F6	R517	*A4	R764	*C2
C218	*G7	C632	*F4	C904	*E6	C1612	*G5	FL802	C6	Q201	*F6	R518	A4	R765	*C2
C221	*G7	C633	*G4	C905	*E6	C1613	*G5	FL803	C6	Q202	*F6	R519	*B4	R766	*C3
C224	*F6	C634	F4	C906	E7	C1614	*G5	FL804	C6	Q203	*F6	R520	*B4	R767	*C3
C225	*F6	C635	*F4	C907	D7	C1615	*G5	FL805	C6	Q500	*A4	R521	*B4	R768	*E1
C500	*A4	C636	F4	C908	*F6	C1616	*G5	FL806	C6	Q501	A4	R522	*B4	R769	*E1
C501	*A4	C637	*F4	C909	D6	C1617	*F5	FL807	C6	Q502	A4	R524	*A4	R770	*E2
C502	*C4	C638	*G3	C910	D7	C1618	*G5	FL808	C6	Q504	*A4	R525	*A4	R771	*E2
C503	*A4	C639	*G4	C911	E6	C1619	*G5	FL809	C6	Q505	A5	R527	*A4	R772	*C2
C504	*C3	C640	*F4	C912	E7	C1620	*G5			Q506	*A6	R528	B4	R774	*C3
C505	*B4	C641	*F4	C913	E7	C1621	*G5	IC100	B6	Q600	*G4	R529	A5	R776	*E2
C506	*A4	C642	*F4	C914	E7	C1622	*G5	IC101	B6	Q601	G3	R530	*B4	R778	*E2
C507	A4	C643	*F4	C915	*E6	C1623	*G5	IC102	B7	Q602	G4	R532	B4	R780	*C6
C508	*A4	C644	F4	C916	D6	C1624	*F5	IC103	B6	Q603	F3	R535	*B4	R801	*C7
C509	*A4	C645	F4	C917	D6	C1625	*F5	IC104	B7	Q604	*G4	R536	*B4	R817	*D4
C510	A4	C646	*G3	C918	D6	C1626	F5	IC105	B6	Q607	F3	R537	B4	R818	*C4
C511	*A4	C647	*G4	C919	D6	C1627	*G5	IC106	B6	Q900	D7	R538	B4	R819	*C4
C512	*A4	C648	F4	C920	D6	C1628	*F5	IC107	A7	Q901	D6	R540	B4	R820	*C4
C513	*A4	C649	*F4	C921	D6	C1629	F5	IC202	G7	Q902	D7	R541	B4	R821	*C4
C514	*A4	C650	*G4	C922	D6	C1631	*G5	IC204	*F7	Q903	*D6	R542	B4	R822	*C5
C515	*B4	C655	*G4	C923	D6	C1632	*F5	IC205	G7	Q904	*D6	R543	C4	R823	*C5
C516	*A4	C656	*G4	C924	D6	C1633	*G5	IC500	C4	Q1500	*A5	R544	C4	R824	*C5
C517	*B4	C657	*G4	C925	D6	C1634	F5	IC501	A4	Q1501	A5	R545	C4	R825	*C5
C518	*A4	C658	F4	C926	D6	C1635	*F5	IC502	A4	Q1502	A5	R546	C4	R826	*E4
C519	*A4	C659	*G3	C927	D6	C1636	F5	IC503	A4	Q1504	*A5	R547	C4	R827	*E4
C520	*A4	C660	*G4	C928	E6	C1637	*F5	IC505	A6	Q1506	*A6	R548	*A6	R828	*E4
C521	*B4	C661	*F4	C929	E6	C1639	*G5	IC506	A3	Q1600	*G5	R549	*A6	R829	*E4
C522	*A4	C718	*C2	C930	D6	C1640	*F5	IC507	A5	Q1601	G5	R550	*A6	R830	*E5
C523	*A4	C719	*C3	C931	D6	C1641	*F5	IC508	B4	Q1602	G5	R551	*A6	R831	*E5
C524	*B4	C720	*E1	C932	D6	C1642	*F5	IC509	A3	Q1603	F4	R552	*A6	R832	*E5
C525	*B4	C721	*E2	C933	D6	C1643	*F5	IC601	G5	Q1604	*G5	R553	*A6	R833	*E5
C526	B4	C726	C2	C934	D6	C1644	F5	IC602	G4	Q1605	F5	R554	*A6	R834	*C4
C527	*A4	C727	C2	C935	D6	C1645	F5	IC603	G4	Q1607	F4	R555	*A6	R835	*C5
C528	*B4	C728	E2	C936	D7	C1647	*G5	IC606	G4	Q1608	F5	R556	*A6	R836	*E4
C529	B4	C729	E2	C1500	*A5	C1648	F5	IC607	G4			R557	B4	R837	*E5
C530	A5	C731	*E3	C1505	*B5	C1649	*F5	IC608	F4	R100	*B6	R558	*A4	R838	*C4
C531	*A4	C732	*C7	C1506	*A5	C1650	*G5	IC609	G4	R101	*B6	R560	*B4	R839	*C4
C532	*B4	C733	C6	C1507	A5	C1655	*G5	IC703	*C6	R102	*A7	R561	*A4	R840	*C5
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C534	B4	C742	*C2	C1509	*A5	C1657	*G5	IC705	C3	R104	*B7	R563	B4	R842	*E4
C535	*B4	C743	*C3	C1510	A5	C1658	F5	IC706	E2	R105	*B7	R600	F3	R843	*E4
C536	B4	C744	*E1	C1511	*A5	C1660	*G5	IC707	E2	R106	*B7	R602	*G4	R844	*E5
C537	*B4	C745	*E2	C1512	*A5	C1661	*F5	IC708	E3	R107	*B6	R603	*G5	R845	*E5
C538	*A5	C752	*C2	C1513	*A5			IC800	C5	R108	*B7	R604	*G5	R846	*C4
C539	*A4	C753	*C3	C1514	*A5	CL111	A7	IC801	D4	R109	*B7	R605	*G4	R847	*C5
C540	*B4	C754	*E2	C1515	*B5	CL112	A7	IC802	*C7	R110	*B7	R608	*G4	R848	*E4
C541	*B4	C755	*E2	C1516	*A5	CL113	B7	IC803	C5	R111	*B7	R609	*F4	R849	*E5
C542	*B4	C800	*C5	C1517	*B5	CL114	B7	IC804	C4	R112	*B6	R610	*G4	R856	*C4
C543	*B4	C801	*C4	C1518	*A5	CL200	F5	IC805	C5	R113	*B6	R611	*F1	R857	*C4
C544	B4	C802	*C4	C1519	*A5	CL800	C4	IC806	E4	R114	*A7	R612	*G3	R858	*C5
C545	B4	C803	*E4	C1520	*A5	CL801	C4	IC807	E4	R115	*B6	R613	*G4	R859	*C5
C546	*A5	C804	*E4	C1521	*B5	CL802	C5	IC808	E5	R116	*B6	R614	*F4	R860	*E4
C547	*A4	C805	*E5	C1522	*A5	CL803	C5	IC809	C5	R117	*A7	R615	*G4	R861	*E4
C548	C4	C806	*C4	C1523	*A5	CL804	E4	IC810	D5	R118	*A7	R616	*G4	R862	*E5
C549	*B4	C807	*C5	C1524	*B5	CL805	E4	IC811	C5	R119	*A7	R617	*G4	R863	*E4
C550	*A4	C808	*E4	C1525	*B5	CL806	E4	IC900	*D7	R120	*A7	R618	G4	R864	*C4
C551	*A6	C809	*E5	C1526	B5	CL807	E4	IC901	*E7	R202	*G6	R619	*F4	R865	*C4
C552	*A6	C810	*C4	C1527	*A5	CL808	C4	IC902	*E7	R203	*G6	R620	*F4	R866	*C5
C553	*A6	C811	*C5	C1528	*B5	CL809	C5	IC903	*D7	R206	*C6	R621	*F4	R867	*C5
C554	*A6	C812	*E4	C1529	B5	CL810	E4	IC904	*D7	R210	*F6	R622	*F4	R868	*E4
C555	*A4	C813	*E5	C1531	*A5	CL811	E5	IC905	*E7	R211	*F6	R623	G3	R869	*E4
C556	*A4	C814	*C4	C1532	*B5	CL812	F6	IC906	*E7	R212	*F6	R624	*G4	R870	*E4
C558	C4	C815	*C5	C1533	*B5	CL900	D7	IC907	*D7	R213	*F6	R625	*G4	R871	*E4
C559	*A5	C816	*E4	C1534	B5	CL901	F6	IC908	E6	R216	*F6	R626	G3	R872	*C4
C561	*B4	C817	*E5	C1535	*B5			IC909	*E7	R225	*G6	R627	*G4	R873	*C4
C601	*G5	C818	*C4	C1536	B5	CN100	B7	IC910	*D6	R241	*F7	R628	F4	R874	*C5
C603	*G5	C819	*C5	C1537	*B5	CN108	F7	IC911	*D6	R243	*F7	R630	*F4	R875	*C5
C605	*F4	C820	*E4	C1539	*A5	CN109	B7	IC1502	A5	R244	*F6	R631	F3	R876	*E4
C606	*G4	C821	*E4	C1540	*B5	CN500	A4	IC1503	A5	R245	*F6	R632	F4	R877	*E4
C607	G4	C826	C4	C1541	*B5	CN600	G3	IC1505	A6	R332	B2	R633	F3	R878	*E5
C608	*G4	C827	C5	C1542	*B5	CN900	D1	IC1506	A5	R357	B2	R634	G3	R879	*E5
C609	*G4	C828	E4	C1543	*B5	CN1500	A5	IC1508	B5	R362	B2	R635	*F4	R900	*F6
C610	G4	C829	E5	C1544	B5	CN1600	G5	IC1509	A5	R432	F1	R636	*F4	R901	*F6
C611	*G4	C830	*C5	C1545	B5			IC1602	G5	R457	F1	R637	F4	R902	*F6
C612	*G4	C831	*E5	C1547	*A5	D500	A5	IC1603	G5	R462	F1	R638	F4	R903	E7
C613	*G4	C832	*C5	C1548	C5	D900	C1	IC1606	G5	R500	*C3	R640	F4	R904	E7



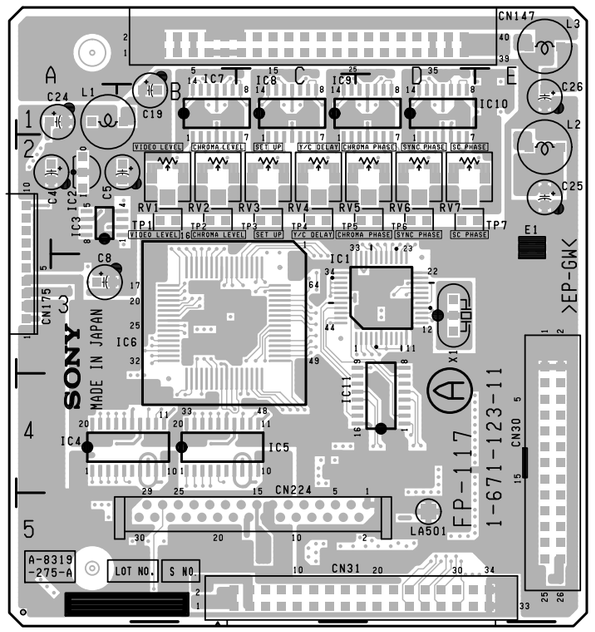
EQ-75C -A SIDE-
SUFFIX: -31

http://getMANUAL.com



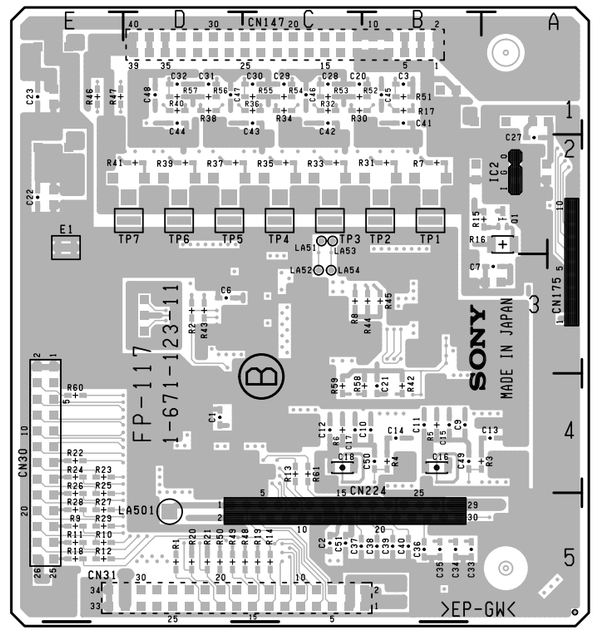
EQ-75C -B SIDE-
SUFFIX: -31

R905	E7	R1524	*A5	TP100	B1
R906	E7	R1525	*A5	TP101	B1
R907	E7	R1527	*A5	TP102	B1
R908	E7	R1528	B5	TP103	C1
R909	D7	R1530	*B5	TP104	B6
R910	E7	R1532	B5	TP105	A6
R911	E7	R1535	*B5	TP500	E1
R912	E7	R1536	*B5	TP501	B4
R913	E7	R1537	B5	TP600	F1
R914	E7	R1538	B5	TP601	F4
R915	D7	R1540	B5	TP1500	F1
R916	E7	R1541	B5	TP1501	B5
R917	E7	R1542	B5	TP1600	F1
R918	E7	R1543	C5	TP1601	F5
R919	E7	R1544	C5		
R920	D7	R1545	C5	X900	E6
R921	D7	R1546	C5		
R922	E7	R1547	C5	*:B SIDE	
R923	E6	R1548	*A6		
R924	*E6	R1549	*A6		
R925	*E6	R1550	*A6		
R926	*E6	R1551	*A6		
R927	E7	R1552	*A6		
R928	D7	R1553	*A6		
R929	D6	R1554	*A6		
R930	*E6	R1555	*A6		
R931	*E6	R1556	*A6		
R932	*F6	R1557	B5		
R933	D6	R1558	*A5		
R934	D6	R1560	*B5		
R935	D6	R1561	*A5		
R936	D6	R1562	B5		
R937	*E6	R1563	B5		
R938	D6	R1600	F4		
R939	D6	R1602	*G5		
R940	D6	R1605	*G5		
R941	*E6	R1608	*G5		
R942	D6	R1609	*F5		
R943	D6	R1610	*G5		
R944	D6	R1611	*F1		
R945	D6	R1612	*G5		
R946	D6	R1613	*G5		
R947	D6	R1614	*F5		
R948	D6	R1615	*G5		
R949	D7	R1616	*G5		
R950	D6	R1617	*G5		
R951	D6	R1618	G5		
R952	D6	R1619	*F5		
R953	*E6	R1620	*F5		
R954	D6	R1621	*F5		
R955	D6	R1622	*F5		
R956	D6	R1623	G4		
R957	*D6	R1624	*G5		
R958	D6	R1625	*G5		
R959	D6	R1626	G4		
R960	D6	R1627	*G5		
R962	D6	R1628	F5		
R963	D6	R1630	*F5		
R964	D6	R1631	F4		
R965	*F7	R1632	F5		
R966	*F6	R1633	F4		
R967	*F7	R1634	G4		
R968	*F7	R1635	*F5		
R969	*F7	R1636	*F5		
R970	*F7	R1637	F5		
R971	*D1	R1638	F5		
R976	*E6	R1640	F5		
R1332	B3	R1641	F5		
R1357	B3	R1642	F5		
R1362	B3	R1643	F5		
R1432	F2	R1644	F5		
R1457	F2	R1645	F5		
R1462	F2	R1646	F5		
R1502	*A5	R1647	F5		
R1505	*A5	R1657	F5		
R1506	*A5	R1658	*G5		
R1507	*A5	R1661	*G5		
R1508	*A5	R1662	F5		
R1509	*B5	R1663	F5		
R1510	*A5	R1671	F4		
R1511	*F1	R1672	G4		
R1512	*A5				
R1513	*A5	S900	D1		
R1514	*B5	SL100	*A7		
R1515	*A5	SL101	*A7		
R1516	*A5	SL102	A7		
R1517	*A5	SL103	A7		
R1518	A5	SL104	*A6		
R1519	*B5	SL105	*A6		
R1520	*B5	SL106	A7		
R1521	*B5	SL107	A7		
R1522	*B5				



FP-117 -A SIDE-

SUFFIX: -11

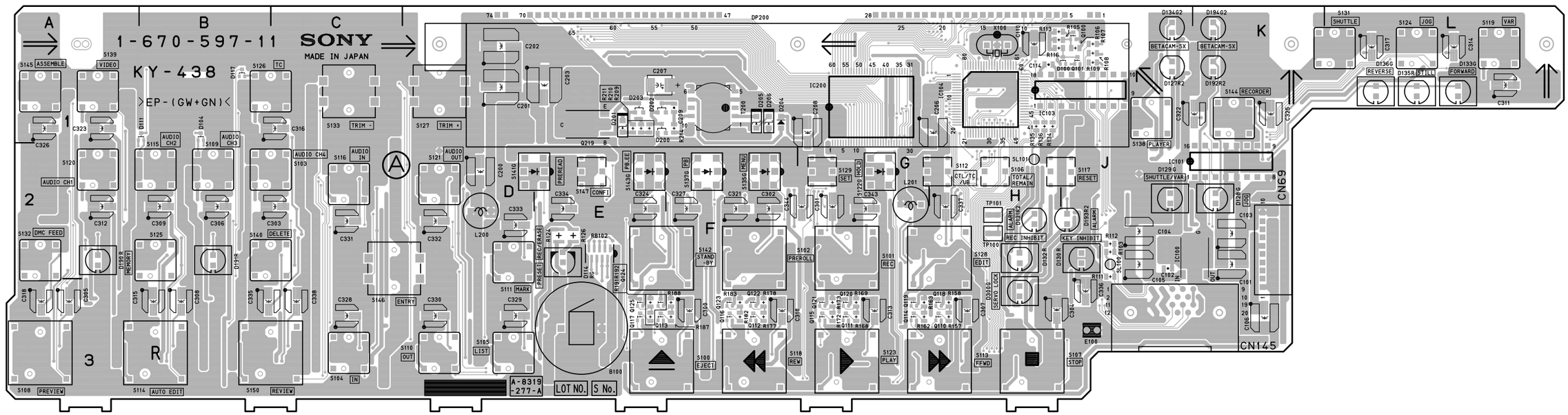


FP-117 -B SIDE-

SUFFIX: -11

FP-117 (1-671-123-11)

C1	*D4	R13	*C4
C2	*C5	R14	*C5
C3	*B1	R15	*A2
C4	A2	R16	*A2
C5	B2	R17	*B1
C6	*D3	R18	*E5
C7	*A3	R19	*C5
C8	A3	R20	*D5
C9	*B4	R21	*D5
C10	*B4	R22	*E4
C11	*B4	R23	*E4
C12	*C4	R24	*E4
C13	*A4	R25	*E5
C14	*B4	R26	*E5
C15	*B4	R27	*E5
C16	*B4	R28	*E5
C17	*C4	R29	*E5
C18	*C4	R30	*C1
C19	B1	R31	*B2
C20	*C1	R32	*C1
C21	*B4	R33	*C2
C22	*E2	R34	*C1
C23	*E1	R35	*C2
C24	A1	R36	*C1
C25	E2	R37	*D2
C26	E1	R38	*D1
C27	*A2	R39	*D2
C28	*C1	R40	*D1
C29	*C1	R41	*D2
C30	*C1	R42	*B4
C31	*D1	R43	*D3
C32	*D1	R44	*B3
C33	*B5	R45	*B3
C34	*B5	R46	*E1
C35	*B5	R47	*E1
C36	*B5	R48	*C5
C37	*C5	R49	*D5
C38	*B5	R50	*D5
C39	*B5	R51	*B1
C40	*B5	R52	*C1
C41	*B1	R53	*C1
C42	*C1	R54	*C1
C43	*C1	R55	*C1
C44	*D1	R56	*D1
C45	*B1	R57	*D1
C46	*C1	R58	*B4
C47	*D1	R59	*C4
C48	*D1	R60	*E4
C49	*B4	R61	*C4
C50	*B4		
C51	*C5	RV1	B2
		RV2	B2
CN30	E4	RV3	C2
CN31	D5	RV4	C2
CN147	C1	RV5	D2
CN175	A3	RV6	D2
CN224	C5	RV7	D2
E1	E2	TP1	B2
		TP2	B2
IC1	D3	TP3	C2
IC2	A2	TP4	C2
IC3	B2	TP5	D2
IC4	A4	TP6	D2
IC5	B4	TP7	D2
IC6	B3		
IC7	B2	X1	D3
IC8	C2		
IC9	C2	*:B SIDE	
IC10	D2		
IC11	D4		
L1	A1		
L2	E2		
L3	E1		
LA501	D5		
Q1	*A2		
R1	*D5		
R2	*D3		
R3	*B4		
R4	*B4		
R5	*B4		
R6	*C4		
R7	*B2		
R8	*C3		
R9	*E5		
R10	*E5		
R11	*E5		
R12	*E5		

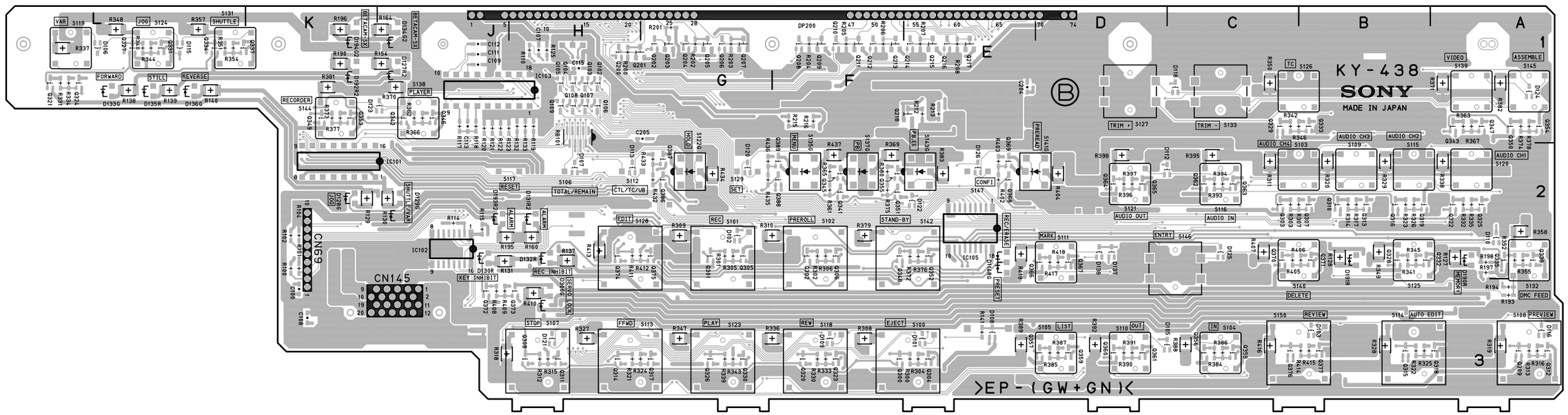


KY-438 -A SIDE-

SUFFIX: -11

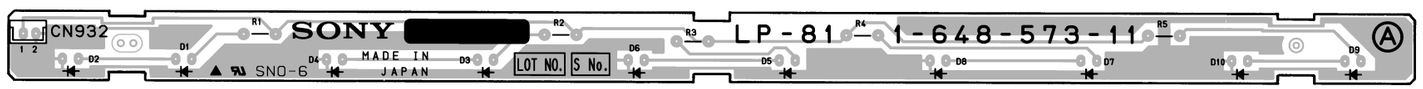
KY-438 (1-670-597-11)

B100	E3	C313	G3	D111	B1	DP200	F1	Q200	*H1	Q321	*L1	Q366	*D2	R124	E2	R196	*K1	R321	*H3	R367	*A1	R412	*G2	S123	G3
		C314	L1	D112	*C2			Q201	*H1	Q322	*A2	Q367	*D2	R125	*H1	R197	*A2	R322	*B3	R369	*F2	R413	*H2	S124	L1
C100	*K3	C315	B3	D113	*H2	E100	J3	Q202	*G1	Q323	*F3	Q368	*E2	R126	E2	R198	*A2	R323	*B2	R370	*J1	R414	*B3	S125	B2
C101	K2	C316	C1	D114	E2			Q203	*G1	Q324	*L1	Q369	*E2	R127	*A2	R200	*H1	R324	*G3	R371	*A1	R415	*B3	S126	B1
C102	J2	C317	L1	D115	*L1	IC100	K2	Q204	*G1	Q325	*A2	Q370	*C2	R128	*B2	R201	*G1	R325	*B3	R372	*E2	R416	*C3	S127	D1
C103	K2	C318	A3	D116	*A3	IC101	K2	Q205	*G1	Q326	*G3	Q371	*B2	R129	*K2	R202	*G1	R326	*B2	R373	*K1	R417	*D2	S128	H2
C104	J2	C321	F2	D117	B1	IC102	*J2	Q206	*G1	Q327	*L1	Q372	*J3	R130	*J2	R203	*G1	R327	*H3	R374	*A1	R418	*D2	S129	G2
C105	J2	C322	K1	D118	*C1	IC103	H1	Q207	*G1	Q328	*B2	Q373	*H3	R131	*J2	R204	*F1	R328	*B3	R375	*F2	R419	*E2	S131	L1
C106	K3	C323	A1	D120	*G2	IC104	H1	Q208	*F1	Q329	*C1	Q374	*H2	R132	*H1	R205	*F1	R329	*B2	R376	*E2	R432	*G2	S132	A2
C107	*H1	C324	E2	D121	*H3	IC105	*E2	Q209	*F1	Q330	*G3	Q375	*G2	R133	*H1	R206	*F1	R330	*F3	R377	*K1	R433	*G2	S133	C1
C108	*K3	C325	K1	D122	*E2	IC200	G1	Q210	*F1	Q331	*L1	Q376	*C3	R134	H1	R207	*E1	R331	*L1	R378	*A1	R434	*G2	S135	F2
C109	*J1	C326	A1	D123	*J1			Q211	*F1	Q332	*B2	Q377	*B3	R135	H1	R208	*E1	R332	*A2	R379	*F2	R435	*G2	S137	F2
C110	H1	C327	F2	D124	*A1	L200	D2	Q212	*F1	Q333	*B1	Q386	*G2	R136	H1	R209	E1	R333	*F3	R380	*F2	R436	*G2	S138	J1
C111	*J1	C328	C3	D125	*C2	L201	G2	Q213	*F1	Q334	*L1	Q387	*G2	R137	*H2	R210	E1	R334	*L1	R381	*K1	R437	*F2	S139	A1
C112	*J1	C329	D3	D126	*E2			Q214	*E1	Q335	*A2	Q388	*F2	R138	*L1	R211	E1	R335	*A2	R382	*A1			S140	B2
C113	*J1	C330	D3	D127	J1	Q100	J1	Q215	*E1	Q337	*L1	Q389	*F2	R139	*L1	R212	*E1	R336	*F3	R383	*E2	RB101	*H1	S141	D2
C114	H1	C331	C2	D128	K2	Q101	J1	Q216	*E1	Q338	*A2			R140	*L1	R213	*E1	R337	*L1	R384	*C3	RB102	E2	S142	E2
C115	*H1	C332	D2	D129	J2	Q102	*H1	Q217	*E1	Q341	*F2	R100	*K2	R141	*E3	R214	F1	R338	*A2	R385	*D3			S143	E2
C200	D2	C333	D2	D130	J2	Q103	*H1	Q218	*E1	Q342	*J1	R101	*K2	R154	*J1	R215	*F1	R339	*G3	R386	*C3	S100	E3	S144	K1
C201	D1	C334	E2	D131	H2	Q104	*H1	Q219	E1	Q343	*A1	R102	*K2	R157	H3	R216	*F1	R340	*L1	R387	*D3	S101	G2	S145	A1
C202	D1	C335	B3	D132	H2	Q105	*H1	Q300	*F3	Q345	*F2	R103	J2	R158	H3	R300	*E3	R341	*B2	R388	*C3	S102	F2	S146	C2
C203	E1	C336	J3	D133	L1	Q106	*H1	Q301	*G2	Q346	*J1	R104	*K2	R160	*H2	R301	*G2	R342	*C1	R389	*E3	S103	B2	S147	E2
C204	*E1	C337	H2	D134	J1	Q107	*H1	Q302	*F2	Q347	*A1	R105	H1	R162	G3	R302	*F2	R343	*G3	R390	*D3	S104	C3	S150	B3
C205	*G1	C338	C3	D135	L1	Q108	*H1	Q303	*C2	Q348	*F2	R106	J1	R163	G3	R303	*C2	R344	*L1	R391	*D3	S105	D3		
C206	H1	C343	G2	D136	L1	Q109	*H1	Q304	*E3	Q349	*K1	R107	J1	R164	*J1	R304	*E3	R345	*B2	R392	*D3	S106	H2	SL100	J2
C207	E1	C344	G2	D137	*D2	Q110	H3	Q305	*G2	Q350	*A1	R108	J1	R168	G3	R305	*G2	R346	*B1	R393	*C2	S107	H3	SL101	H2
C208	G1			D138	*D2	Q111	G3	Q306	*F2	Q351	*F2	R109	J1	R169	G3	R306	*F2	R347	*G3	R394	*C2	S108	A3		
C209	F1	CN69	K2	D190	A2	Q112	F3	Q307	*B2	Q352	*E2	R110	*H1	R172	G3	R307	*B2	R348	*L1	R395	*C2	S109	B2	T200	F1
C300	F3	CN145	J3	D191	B2	Q113	E3	Q308	*H3	Q353	*K1	R111	J2	R173	G3	R308	*F3	R349	*B2	R396	*D2	S110	D3		
C301	G2			D192	K1	Q114	G3	Q309	*A3	Q354	*A1	R112	J2	R177	F3	R309	*G2	R350	*C1	R397	*D2	S111	D2	TP100	H2
C302	F2	D100	J1	D193	J2	Q115	G3	Q310	*B2	Q355	*F2	R113	H1	R178	F3	R310	*F2	R351	*L1	R398	*D2	S112	H2	TP101	H2
C303	C2	D101	*E3	D194	K1	Q116	F3	Q311	*H3	Q356	*C3	R114	*J2	R182	F3	R311	*C2	R352	*A2	R402	*E2	S113	H3		
C304	H3	D102	*G2	D200	E1	Q117	E3	Q312	*A3	Q357	*D3	R115	*J2	R183	F3	R312	*H3	R354	*L1	R403	*E2	S114	B3	X100	H1
C305	A3	D103	*B3	D201	E1	Q118	H3	Q313	*B2	Q358	*C3	R116	H1	R187	F3	R313	*A3	R355	*A2	R404	*D2	S115	B2		
C306	B2	D104	B1	D202	E1	Q119	G3	Q314	*H3	Q359	*D3	R117	*J1	R188	F3	R314	*B2	R357	*L1	R405	*C2	S116	C2	*:B SIDE	
C307	H3	D105	*C3	D203	E1	Q120	G3	Q315	*B3	Q360	*D3	R118	*J1	R190	*K1	R315	*H3	R358	*A2	R406	*B2	S117	H2		
C308	B3	D106	*L1	D204	F1	Q121	G3	Q316	*B2	Q361	*D3	R119	*H1	R191	E3	R316	*A3	R361	*F2	R407	*C2	S118	F3		
C309	B2	D107	*H2	D205	F1	Q122	F3	Q317	*G3	Q362	*C2	R120	*J1	R192	E3	R317	*B2	R362	*J1	R408	*J3	S119	L1		
C310	F3	D108	*E3	D206	F1	Q123	F3	Q318	*A3	Q363	*C2	R121	*J1	R193	*A3	R318	*J3	R363	*A1	R409	*J3	S120	A2		
C311	L1	D109	*F3	D300	H3	Q124	E3	Q319	*B2	Q364	*D2	R122	*J1	R194	*A3	R319	*A3	R365	*F2	R410	*H3	S121	D2		
C312	A2	D110	*A2			Q125	E3	Q320	*F3	Q365	*D2	R123	*H1	R195	*J2	R320	*B2	R366	*J1	R411	*H2	S122	G2		

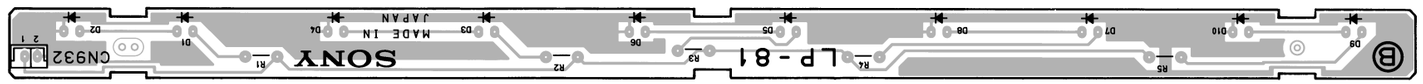


KY-438 -B SIDE-

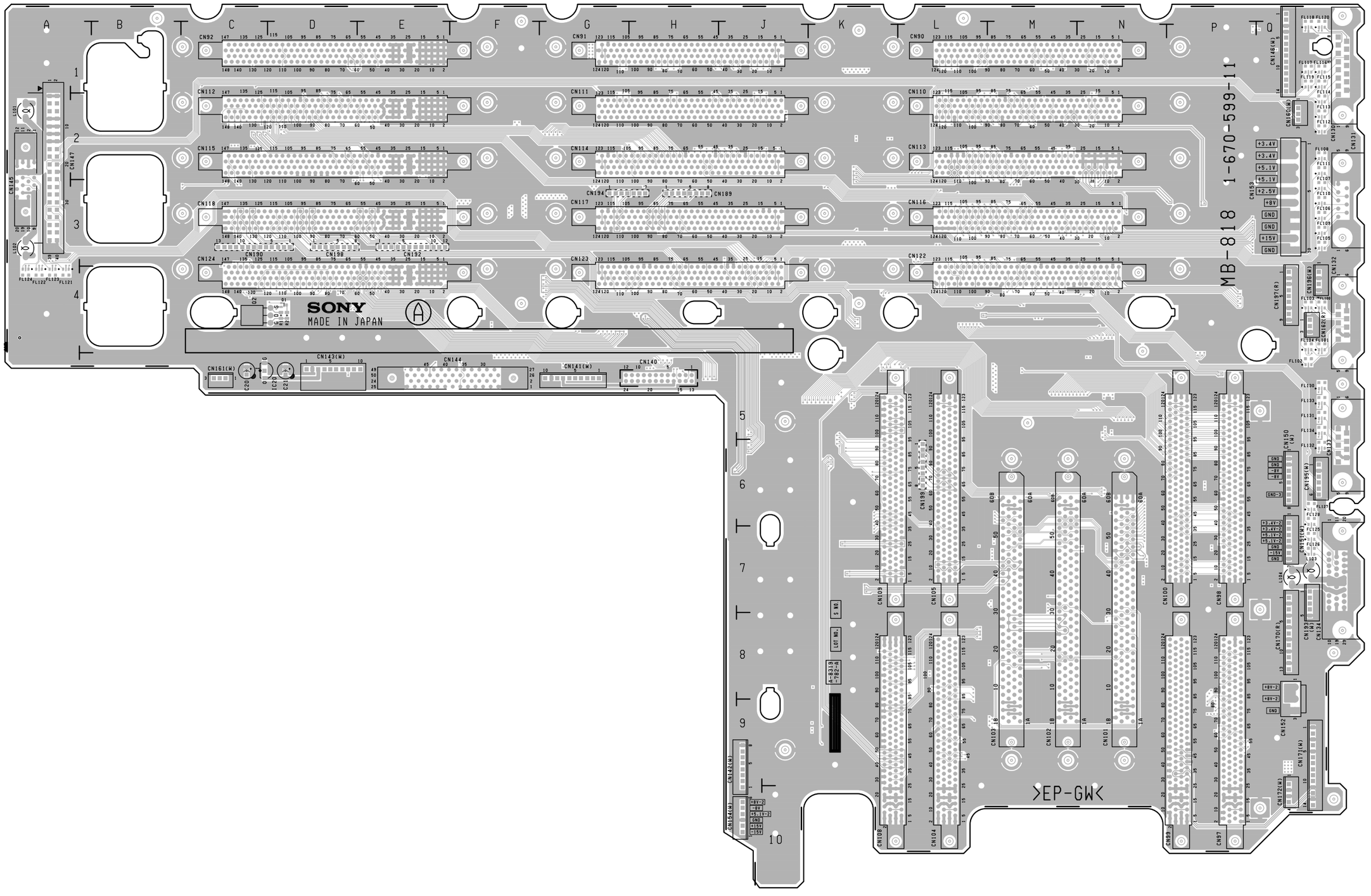
SUFFIX: -11



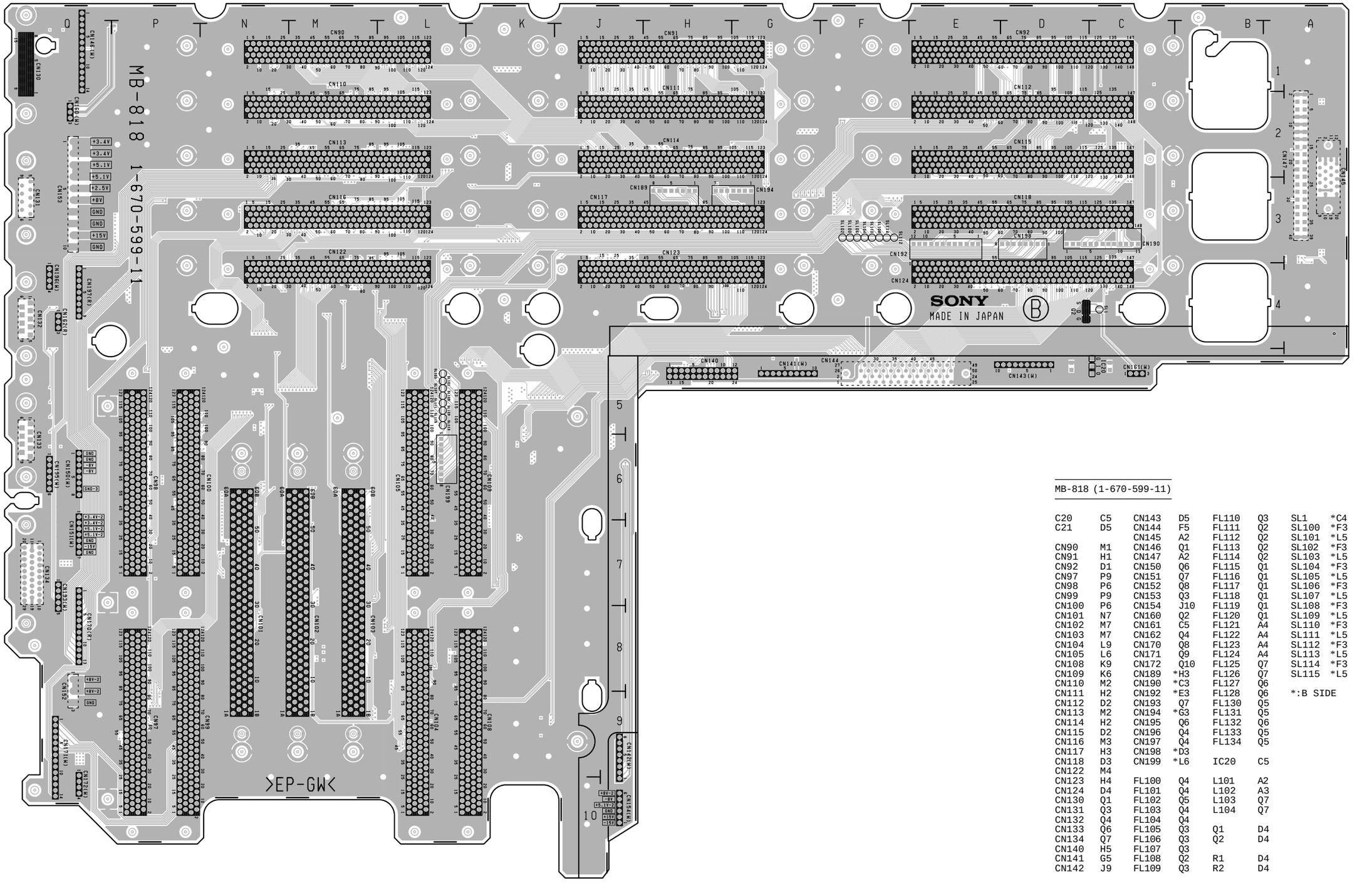
LP-81 -A SIDE-
SUFFIX: -11



LP-81 -B SIDE-
SUFFIX: -11



MB-818 -A SIDE-
SUFFIX: -11



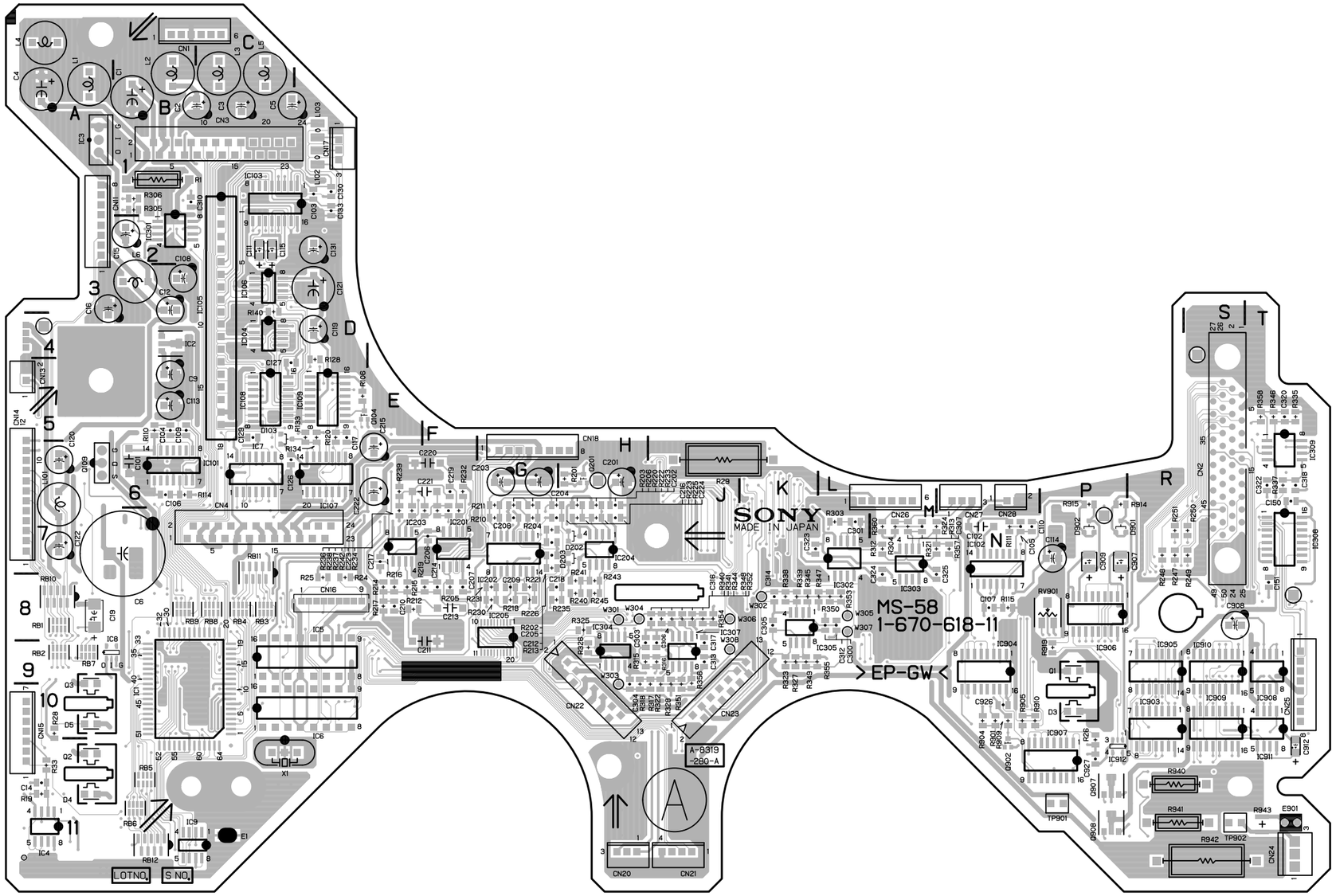
MB-818 (1-670-599-11)

C20	C5	CN143	D5	FL110	Q3	SL1	*C4
C21	D5	CN144	F5	FL111	Q2	SL100	*F3
		CN145	A2	FL112	Q2	SL101	*L5
CN90	M1	CN146	Q1	FL113	Q2	SL102	*F3
CN91	H1	CN147	A2	FL114	Q2	SL103	*L5
CN92	D1	CN150	Q6	FL115	Q1	SL104	*F3
CN97	P9	CN151	Q7	FL116	Q1	SL105	*L5
CN98	P6	CN152	Q8	FL117	Q1	SL106	*F3
CN99	P9	CN153	Q3	FL118	Q1	SL107	*L5
CN100	P6	CN154	J10	FL119	Q1	SL108	*F3
CN101	N7	CN160	Q2	FL120	Q1	SL109	*L5
CN102	M7	CN161	C5	FL121	A4	SL110	*F3
CN103	M7	CN162	Q4	FL122	A4	SL111	*L5
CN104	L9	CN170	Q8	FL123	A4	SL112	*F3
CN105	L6	CN171	Q9	FL124	A4	SL113	*L5
CN108	K9	CN172	Q10	FL125	Q7	SL114	*F3
CN109	K6	CN189	*H3	FL126	Q7	SL115	*L5
CN110	M2	CN190	*C3	FL127	Q6		
CN111	H2	CN192	*E3	FL128	Q6	*:B SIDE	
CN112	D2	CN193	Q7	FL130	Q5		
CN113	M2	CN194	*G3	FL131	Q5		
CN114	H2	CN195	Q6	FL132	Q6		
CN115	D2	CN196	Q4	FL133	Q5		
CN116	M3	CN197	Q4	FL134	Q5		
CN117	H3	CN198	*D3				
CN118	D3	CN199	*L6	IC20	C5		
CN122	M4						
CN123	H4	FL100	Q4	L101	A2		
CN124	D4	FL101	Q4	L102	A3		
CN130	Q1	FL102	Q5	L103	Q7		
CN131	Q3	FL103	Q4	L104	Q7		
CN132	Q4	FL104	Q4				
CN133	Q6	FL105	Q3	Q1	D4		
CN134	Q7	FL106	Q3	Q2	D4		
CN140	H5	FL107	Q3				
CN141	G5	FL108	Q2	R1	D4		
CN142	J9	FL109	Q3	R2	D4		

MB-818 -B SIDE-
SUFFIX: -11

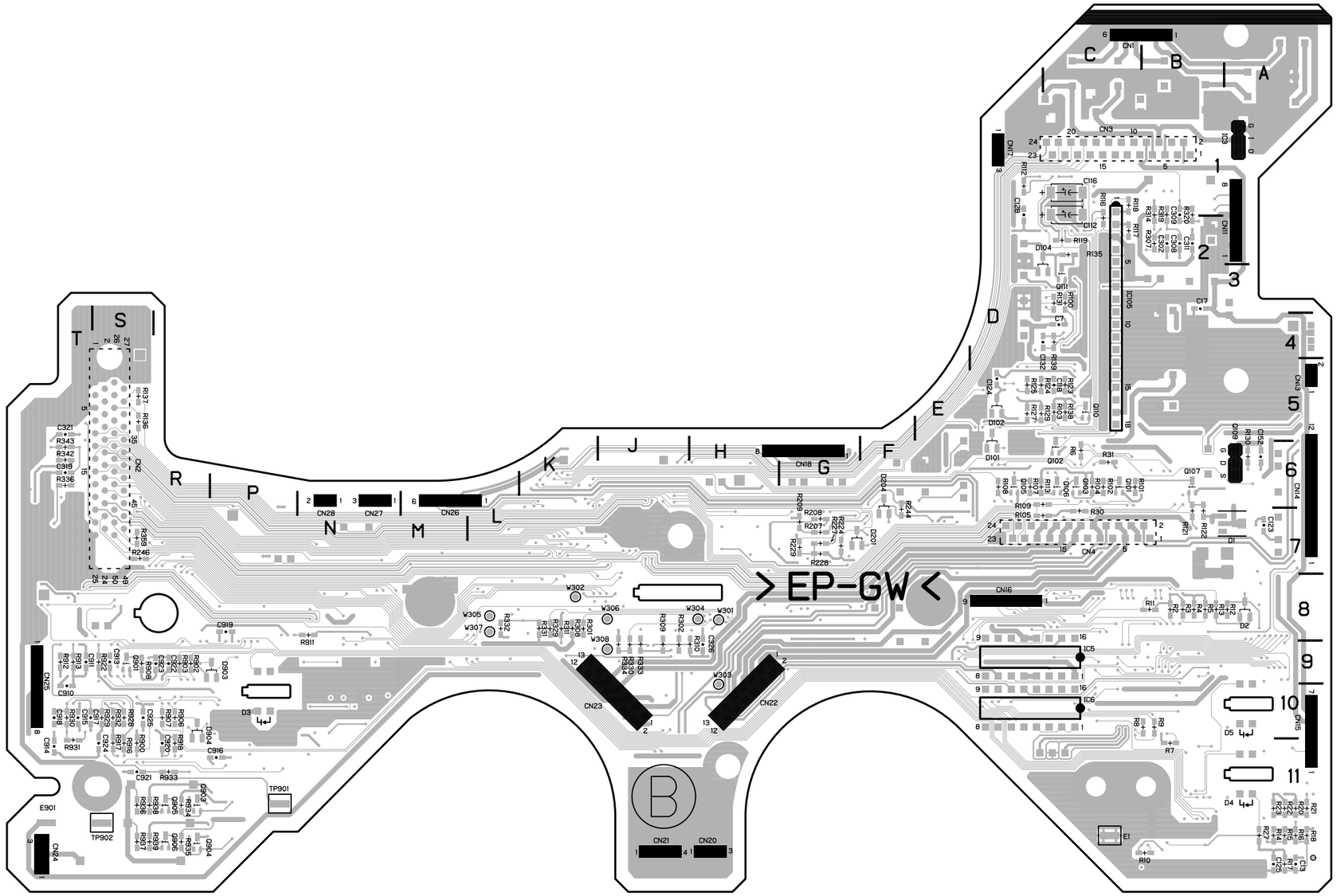
MS-58 (1-670-618-11)

C1	B1	C318	T6	IC202	G7
C2	C1	C319	*T6	IC203	E7
C3	C1	C320	T5	IC204	H7
C4	A1	C321	*T5	IC205	G8
C5	C1	C322	T6	IC301	B2
C6	B7	C323	K7	IC302	L8
C7	*C4	C324	M8	IC303	M7
C9	B5	C325	M8	IC304	H9
C12	B3	C326	*H9	IC305	K8
C13	*A11	C907	P7	IC307	J8
C14	A11	C908	S8	IC308	T7
C15	B2	C909	P7	IC309	T5
C16	A3	C910	*T10	IC903	R10
C17	*B3	C911	*T9	IC904	N9
C19	A8	C912	T11	IC905	R9
C101	B6	C913	*S9	IC906	P8
C102	N7	C914	*T11	IC907	P11
C103	D1	C915	*T10	IC908	T9
C104	B5	C916	*P11	IC909	S10
C105	N7	C917	*T10	IC910	S9
C106	B6	C918	*T10	IC911	T10
C107	N8	C919	*P8	IC912	P11
C108	B3	C920	*R11		
C109	B5	C921	*S11	L1	A1
C110	N7	C922	*R9	L2	B1
C111	C2	C923	*R9	L3	C1
C112	*C1	C924	*S11	L4	A1
C113	B5	C925	*S10	L5	C1
C114	P7	C926	N10	L6	B3
C115	C2	C927	P11	L101	A6
C116	*C1			L102	D1
C117	D5	CN1	C1	L103	D1
C118	*C5	CN2	S6		
C119	D4	CN3	C1	Q1	P9
C120	A6	CN4	C7	Q2	A11
C121	D3	CN11	A2	Q3	A10
C122	A7	CN13	A5	Q101	*C6
C123	*A7	CN14	A6	Q102	*C6
C124	*D5	CN15	A10	Q103	*C6
C125	*A11	CN16	D8	Q104	D5
C126	C6	CN17	D1	Q105	*D6
C127	C5	CN18	G6	Q106	*C6
C128	*D1	CN20	H11	Q107	*B6
C129	C5	CN21	J11	Q109	A6
C130	D1	CN22	H9	Q110	*C5
C131	D2	CN23	J10	Q111	*C3
C132	*C4	CN24	T11	Q201	H6
C133	D1	CN25	T10	Q901	*S9
C150	T6	CN26	M6	Q902	N11
C151	T8	CN27	N6	Q903	*R11
C152	*A6	CN28	N6	Q904	*R11
C201	H6			Q905	*R11
C202	H6	D1	*A7	Q906	*R11
C203	G6	D2	*A8	Q907	P11
C204	G6	D3	P10	Q908	P11
C205	G7	D4	A11		
C206	F7	D5	A10	R1	B1
C207	F8	D101	*D5	R2	*B8
C208	G7	D102	*D5	R3	*B8
C209	G8	D103	C5	R4	*B8
C210	E8	D104	*C2	R5	*B8
C211	F9	D201	*G7	R6	*C6
C212	G7	D202	H7	R7	*B11
C213	F8	D203	H7	R8	*B10
C214	F8	D204	*F6	R9	*B10
C215	E6	D901	P7	R10	*B11
C216	G7	D902	P7	R11	*B8
C217	E7	D903	*P9	R12	*A8
C218	G8	D904	*R10	R13	*B8
C219	F6			R14	*A11
C220	F6	E1	C11	R15	*A11
C221	F6	E901	T11	R16	*A11
C222	E6			R17	*A11
C223	F7	IC1	B10	R18	*A11
C224	H7	IC2	B4	R19	A11
C300	L8	IC3	A1	R20	*A11
C301	L7	IC4	A11	R21	*A11
C302	*B2	IC5	C9	R22	*A11
C303	H9	IC6	C10	R23	*A11
C304	H10	IC7	C6	R24	D8
C305	K8	IC8	A9	R25	D8
C306	J9	IC9	C11	R26	P11
C307	M7	IC101	B6	R27	*A11
C308	*B2	IC102	N8	R28	A10
C309	*B1	IC103	D1	R29	J6
C310	B1	IC104	C4	R30	*C7
C311	*B2	IC105	C1	R31	*C6
C312	L8	IC106	C3	R33	A11
C313	J9	IC107	D6	R100	*C3
C314	K8	IC108	C5	R101	*C6
C316	J8	IC109	D5	R102	*C6
C317	J9	IC201	F7	R103	*C5



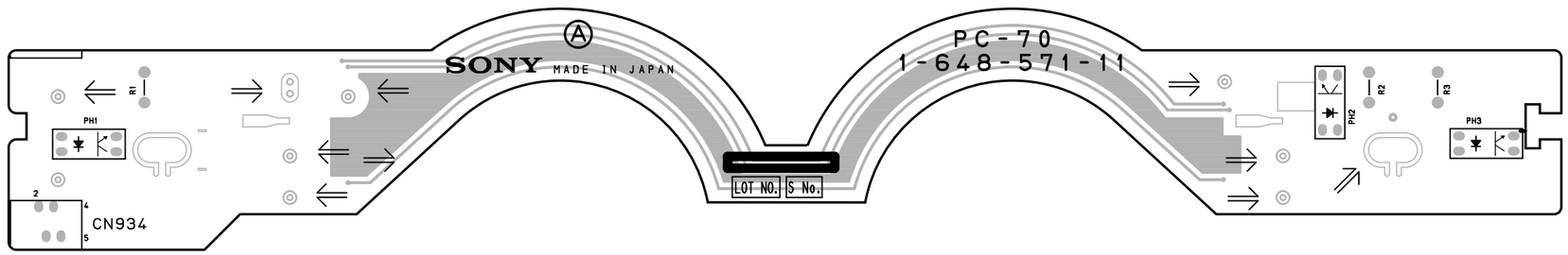
MS-58 -A SIDE-
SUFFIX: -11

http://getMANUAL.com

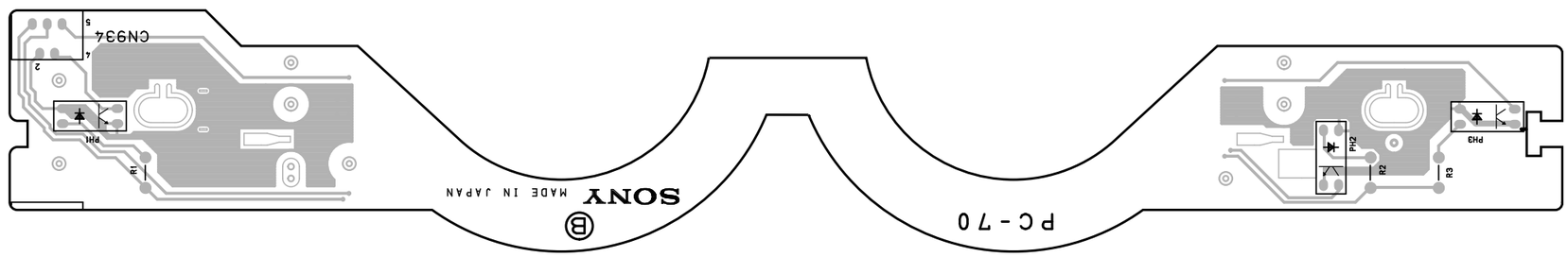


MS-58 -B SIDE-
SUFFIX: -11

R104	*C6	R307	*B2	RB1	A8
R105	*C7	R308	*K8	RB2	A9
R106	D5	R309	*J9	RB3	C8
R107	*D6	R310	*H9	RB4	C8
R108	*D6	R311	*K8	RB5	B11
R109	*C6	R312	M7	RB6	B11
R110	B5	R313	M7	RB7	A9
R111	N7	R314	*B1	RB8	C8
R112	*D1	R315	H9	RB9	B8
R113	*D6	R316	J9	RB10	A8
R114	B6	R317	J10	RB11	C7
R115	N8	R318	H10	RB12	B11
R116	*C2	R319	*B1		
R117	*C2	R320	*B1	RV901	P8
R118	*C1	R321	M7		
R119	*C2	R322	J10	TP901	P11
R120	D5	R323	K9	TP902	S11
R121	*B7	R324	M7		
R122	*B7	R325	H8	X1	C11
R123	*C5	R326	H9		
R124	*D5	R327	K9	*:B SIDE	
R125	*D5	R328	J10		
R127	*D5	R329	*K8		
R128	D5	R330	*J9		
R129	*D5	R331	*K8		
R130	*A6	R332	*L8		
R131	*C3	R333	*J9		
R133	D5	R334	*J9		
R134	D5	R335	T5		
R135	*C2	R336	*T6		
R136	*S5	R337	T6		
R137	*S5	R338	K8		
R138	*C5	R339	K8		
R139	*C4	R340	J8		
R140	C3	R341	J8		
R201	H6	R342	*T6		
R202	G7	R343	*T6		
R203	G6	R344	J8		
R204	G7	R345	K8		
R205	F8	R346	T5		
R206	G6	R347	L8		
R207	*G7	R348	J8		
R208	*G7	R349	K9		
R209	*G7	R350	L8		
R210	G7	R351	J10		
R211	G6	R352	J8		
R212	E8	R353	L8		
R213	G7	R354	J8		
R214	E8	R355	K9		
R215	E8	R356	J9		
R216	E8	R357	N7		
R217	E8	R358	T5		
R218	G8	R359	*S7		
R219	F8	R360	M7		
R220	G6	R900	*S11		
R221	G8	R901	N10		
R222	H6	R902	*R9		
R223	H7	R903	*R9		
R224	*G7	R904	N10		
R225	H7	R905	N10		
R226	G8	R906	*R10		
R227	*G7	R907	*R10		
R228	*G7	R908	*S9		
R229	*G7	R909	N10		
R230	G8	R910	N10		
R231	G8	R911	*N8		
R232	F6	R912	*T9		
R233	H6	R913	*T9		
R234	F7	R914	P6		
R235	G8	R915	P6		
R236	E7	R916	*S11		
R237	F7	R917	*S11		
R238	E7	R918	*R11		
R239	E6	R919	P9		
R240	H8	R922	*S9		
R241	H8	R928	*S10		
R242	F7	R929	*S10		
R243	H8	R930	*T10		
R244	*F7	R931	*T11		
R245	H8	R932	*S10		
R246	*S7	R933	*R11		
R247	R7	R934	*R11		
R248	R7	R935	*R11		
R249	S7	R936	*S11		
R250	S7	R937	*S11		
R251	R7	R938	*S11		
R301	*K8	R939	*S11		
R302	*J9	R940	R11		
R303	L7	R941	R11		
R304	M7	R942	S11		
R305	B1	R943	T11		
R306	B1				

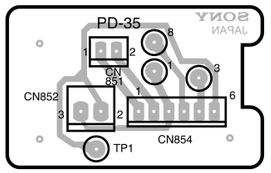


PC-70 -A SIDE-
SUFFIX: -11

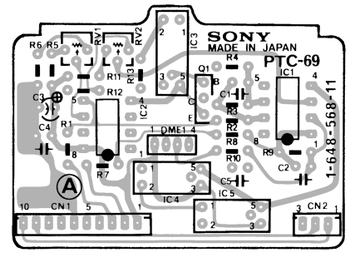


PC-70 -B SIDE-
SUFFIX: -11

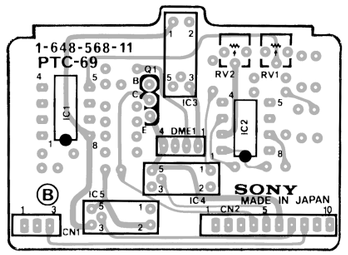
PD-35, PTC-54, PTC-59, PTC-69, PTC-71



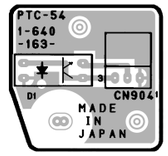
PD-35 -A SIDE-
SUFFIX: -11



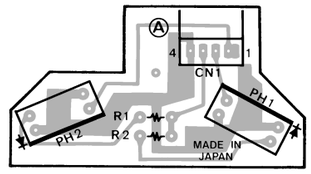
PTC-69 -A SIDE-
SUFFIX: -11, 12



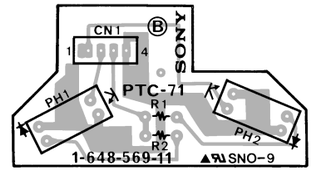
PTC-69 -B SIDE-
SUFFIX: -11, 12



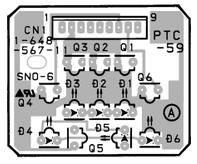
PTC-54 -A SIDE-
SUFFIX: -12



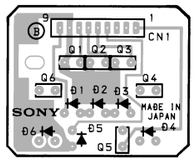
PTC-71 -A SIDE-
SUFFIX: -11



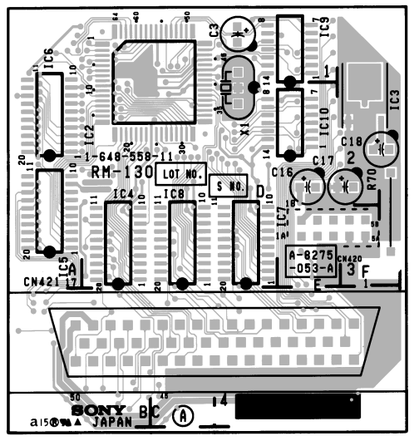
PTC-71 -B SIDE-
SUFFIX: -11



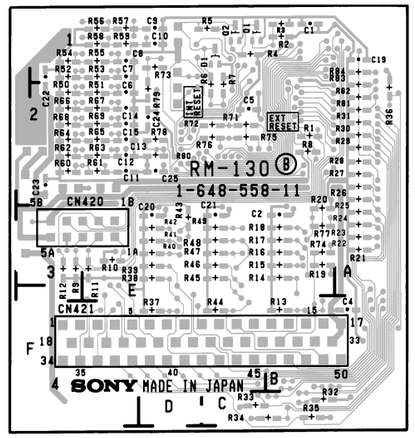
PTC-59 -A SIDE-
SUFFIX: -11



PTC-59 -B SIDE-
SUFFIX: -11



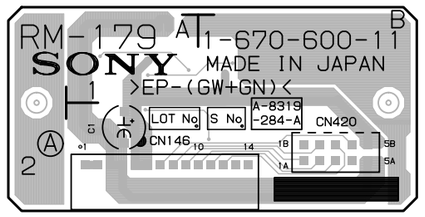
RM-130 -A SIDE-
SUFFIX: -11



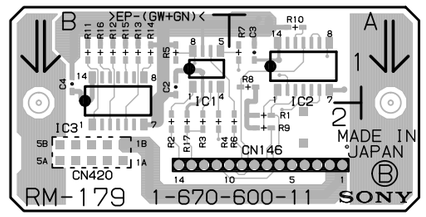
RM-130 -B SIDE-
SUFFIX: -11

RM-130 (1-648-558-11)

C1	*B1	IC9	E1	R33	*C4	R71	*C2
C2	*B3	IC10	E2	R34	*B4	R72	*C2
C3	D4			R35	*B4	R73	*D1
C4	*A4	Q1	*C1	R36	*A2	R74	*B3
C5	*C2	Q2	*C1	R37	*D4	R75	*C2
C6	*E2			R38	*D3	R76	*C2
C7	*E1	R1	*B2	R39	*D3	R77	*B3
C8	*E1	R2	*B1	R40	*D3	R78	*D2
C9	*B3	R3	*B1	R41	*D3	R79	*D2
C10	*D1	R4	*B1	R42	*D3	R80	*D2
C11	*E2	R5	*C1	R43	*D3	R81	*A2
C12	*E2	R6	*C2	R44	*C4	R82	*A2
C13	*E2	R7	*C2	R45	*C3	R83	*A1
C14	*E2	R8	*B2	R46	*C3	R84	*A1
C15	*E2	R9	*F3	R47	*C3		
C16	E2	R10	*E3	R48	*C3	X1	D2
C17	F2	R11	*E3	R49	*C3		
C18	F2	R12	*F3	R50	*F2	*:B SIDE	
C19	*A1	R13	*B4	R51	*E2		
C20	*D3	R14	*B3	R52	*F1		
C21	*C3	R15	*B3	R53	*E1		
C22	*F1	R16	*B3	R54	*F1		
C23	*F2	R17	*B3	R55	*E1		
C24	*D2	R18	*B3	R56	*E1		
C25	*D2	R19	*B3	R57	*E1		
		R20	*B3	R58	*E1		
CN420	*E3	R21	*A3	R59	*E1		
CN421	F4	R22	*A3	R60	*F2		
		R23	*A3	R61	*E2		
D1	*C1	R24	*A3	R62	*F2		
		R25	*A3	R63	*E2		
IC2	C1	R26	*A2	R64	*F2		
IC3	F2	R27	*A2	R65	*E2		
IC4	B3	R28	*A2	R66	*F2		
IC5	A3	R29	*A2	R67	*E2		
IC6	A2	R30	*A2	R68	*F2		
IC7	D3	R31	*A2	R69	*E2		
IC8	C3	R32	*B4	R70	F2		



RM-179 -A SIDE-
SUFFIX: -11



RM-179 -B SIDE-
SUFFIX: -11

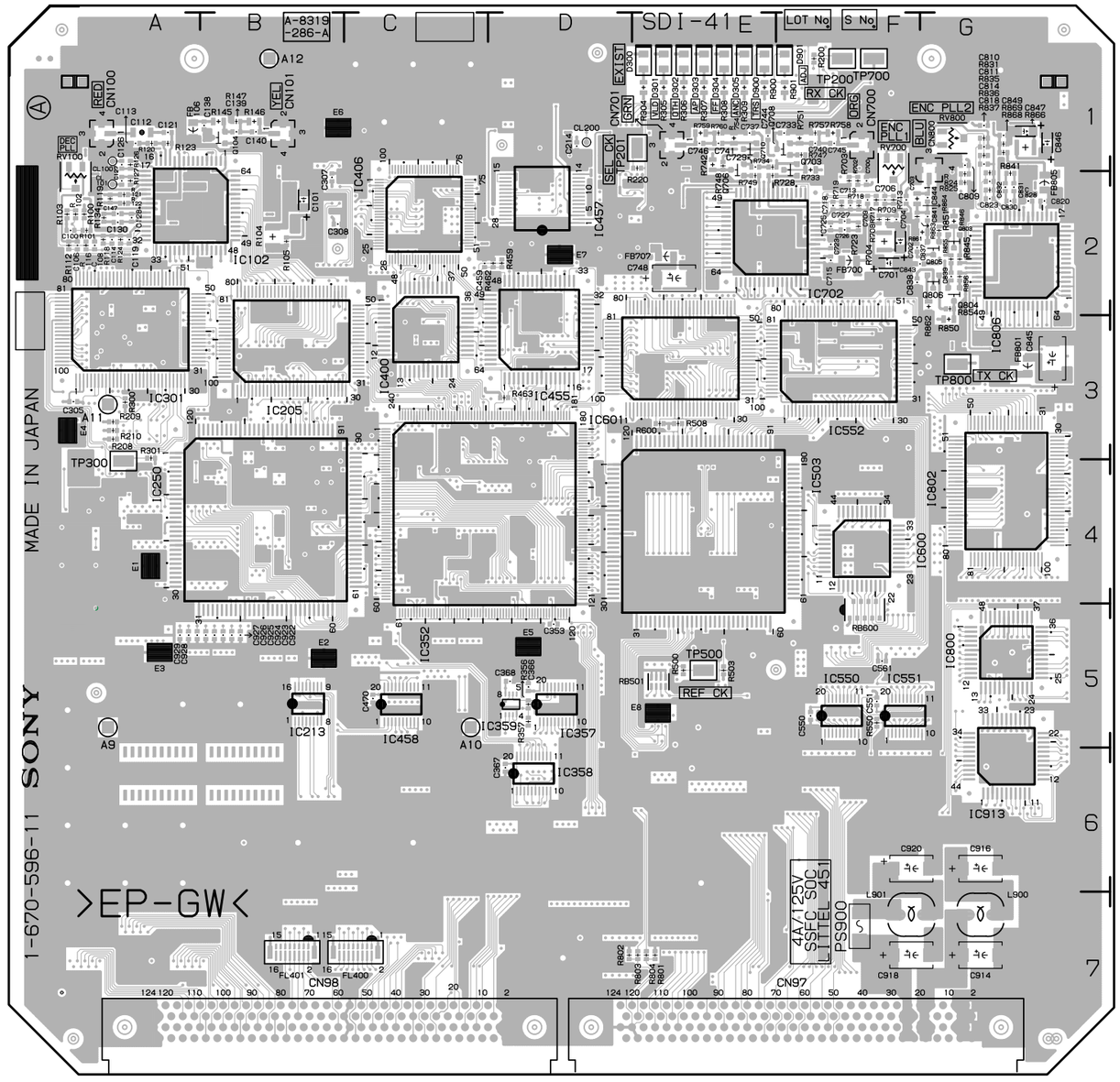
RM-179 (1-670-600-11)

C1	A2
C2	*B1
C3	*A1
C4	*B1
CN146	A2
CN420	B2
IC1	*B1
IC2	*A1
IC3	*B2
R1	*A2
R2	*B2
R3	*B2
R4	*B2
R5	*B1
R6	*A2
R7	*A1
R8	*A1
R9	*A2
R10	*A1
R11	*B1
R12	*B1
R13	*B1
R14	*B1
R15	*B1
R16	*B1
R17	*B2

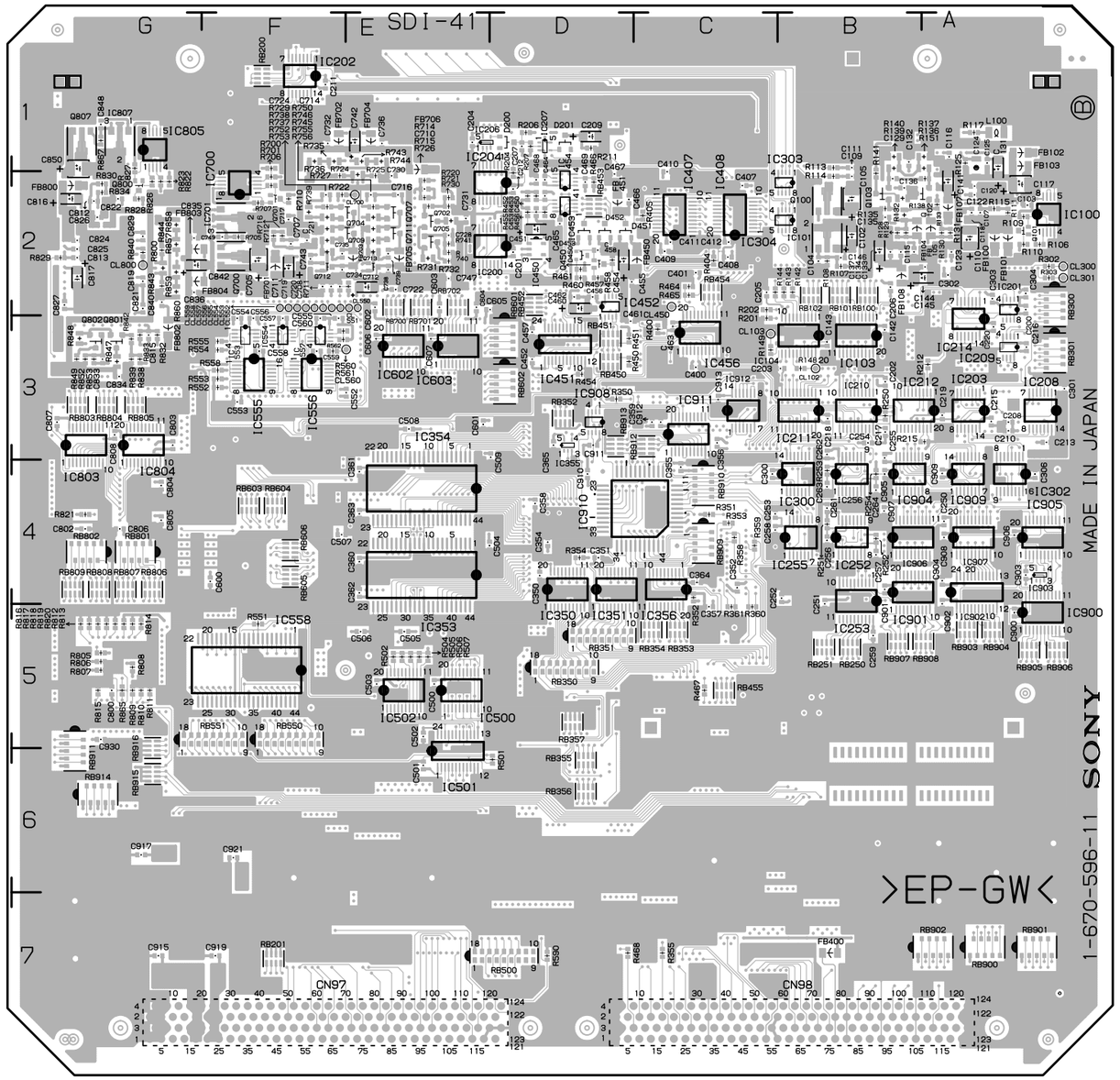
*:B SIDE

SDI-41 (1-670-596-11)

C100	A2	C350	*D4	C714	*E2	C906	*A4	FB700	F2	IC802	G4	R136	*A1	R558	*F3
C101	B2	C351	*D4	C715	F2	C907	*B4	FB701	*F2	IC803	*G4	R137	*A1	R560	*F3
C102	*B2	C352	*C4	C716	*E2	C908	*A4	FB702	*F1	IC804	*G4	R138	*B2	R561	*F3
C103	*A2	C353	D5	C717	*F2	C909	*A4	FB703	*E2	IC805	*G1	R139	*B1	R562	*F3
C104	*B2	C354	*D4	C718	F2	C910	*D4	FB704	*E1	IC806	G2	R140	*B1	R590	*D7
C105	*B2	C355	*C4	C719	*F2	C911	*D3	FB705	*E2	IC807	*G1	R141	*B2	R600	E3
C106	A2	C356	*C3	C720	*F2	C912	*C3	FB706	*E1	IC900	*A5	R142	*B2	R700	*F1
C107	*A2	C357	*C5	C721	*F2	C913	*C3	FB707	E2	IC901	*B5	R143	*B2	R701	*F2
C108	A2	C358	*D4	C722	*E2	C914	G7	FB800	*G2	IC902	*A5	R144	*C2	R702	F2
C109	*B2	C359	*C3	C723	F2	C915	*G7	FB801	G3	IC903	*A4	R145	B1	R703	F2
C110	*A2	C360	*E4	C724	*F2	C916	G6	FB802	*G3	IC904	*B4	R146	B1	R704	F2
C111	*B1	C361	*E4	C725	F2	C917	*G6	FB803	*G2	IC905	*A4	R147	B1	R705	*F2
C112	A1	C362	*E4	C726	F2	C918	F7	FB804	*G2	IC906	*B4	R148	*B3	R706	*F2
C113	A1	C363	*E4	C727	F2	C919	*F7	FB805	G2	IC907	*A4	R149	*C3	R707	*F2
C114	A2	C364	*C4	C728	*E2	C920	F6			IC908	*D3	R151	*A2	R708	F2
C115	*B2	C365	*D3	C729	E1	C921	*F6	FL400	C7	IC909	*A4	R200	F1	R709	F2
C116	*A1	C366	D5	C730	*E2	C922	B5	FL401	B7	IC910	*C4	R201	*C3	R710	*F2
C117	*A2	C367	D6	C731	*E2	C923	B5			IC911	*C3	R202	*C2	R711	*E2
C118	*A2	C368	D5	C732	*F1	C924	B5	IC100	*A2	IC912	*C3	R204	*D2	R712	*F2
C119	A2	C400	*C3	C733	F1	C925	B5	IC101	*B2	IC913	G6	R206	*D1	R713	F2
C120	*A2	C401	*C2	C734	*F2	C926	B5	IC102	A2			R207	*D1	R714	*E2
C121	A1	C407	*C2	C735	*F2	C927	A5	IC103	*B3	L100	*A1	R208	A3	R715	*E2
C122	*A2	C408	*C2	C736	*E1	C928	A5	IC104	*B3	L900	G7	R209	A3	R716	*F2
C123	*A2	C409	*C2	C737	E1	C929	A5	IC200	*D2	L901	F7	R210	A3	R717	F2
C124	*A1	C410	*C2	C738	*E2	C930	*G5	IC201	*A2			R211	*D1	R718	F2
C125	*A1	C411	*C2	C739	*E2			IC202	*F1	PS900	F7	R212	*A3	R719	F2
C126	A1	C412	*C2	C740	F1	CL100	A1	IC203	*A3			R215	*A3	R720	*E2
C127	A2	C450	*D2	C741	E1	CL101	A2	IC204	*D1	Q100	*B2	R220	E1	R721	*E2
C128	A2	C451	*D2	C742	*E1	CL102	*B3	IC205	B3	Q101	*A2	R250	*B3	R722	*F2
C129	*B2	C452	*D3	C743	*F2	CL103	*C3	IC206	*E1	Q102	*A2	R251	*B4	R723	F2
C130	A2	C453	*D2	C744	E1	CL200	D1	IC207	*D1	Q103	*B2	R252	*B4	R724	*E2
C131	*A1	C454	*D2	C745	F1	CL300	*A2	IC208	*A3	Q104	B1	R253	*B4	R725	*E2
C132	*B1	C455	*D2	C746	E1	CL301	*A2	IC209	*A3	Q450	*D2	R254	*B4	R726	*E2
C133	*B2	C456	*D2	C747	*E2	CL450	*C2	IC210	*B3	Q700	*F2	R300	A3	R727	*F2
C134	*B2	C457	*D3	C748	E2	CL550	*E2	IC211	*B3	Q701	*F2	R301	A3	R728	E2
C135	*B2	C458	*D2	C749	*F2	CL551	*E2	IC212	*A3	Q702	*E2	R302	*A2	R729	*F2
C136	*B2	C459	C2	C800	*G5	CL552	*F2	IC213	B5	Q703	F1	R303	*A2	R730	*E2
C137	*B2	C460	*D2	C802	*G4	CL553	*F2	IC214	*A2	Q704	*E2	R304	E1	R731	*E2
C138	B1	C461	*D3	C803	*G3	CL554	*F2	IC250	B4	Q705	*E2	R305	E1	R732	*E2
C139	B1	C462	*D2	C804	*G4	CL555	*F2	IC252	*B4	Q706	E1	R306	E1	R733	F1
C140	B1	C463	*C3	C805	*G4	CL556	*F2	IC253	*B4	Q707	*E2	R307	E1	R734	E1
C141	*A2	C464	*D2	C806	*G4	CL557	*F2	IC255	*B4	Q708	F1	R308	E1	R735	*F1
C142	*B3	C465	*D2	C807	*G3	CL558	*F2	IC256	*B4	Q709	*E2	R309	E1	R736	*F1
C143	*B3	C466	*D2	C808	*G3	CL559	*F2	IC300	*B4	Q710	E1	R350	*D3	R737	*F2
C144	*A2	C467	*D2	C809	G1	CL560	*E3	IC301	A3	Q711	*E2	R351	*C4	R738	*F2
C145	*A2	C468	*D2	C810	G1	CL700	*E2	IC302	*A3	Q712	*F2	R352	*C4	R739	*F2
C146	*B2	C469	*D2	C811	G1	CL800	*G2	IC303	*B2	Q713	*E2	R353	*C4	R740	*E2
C147	A2	C470	C5	C812	*G2			IC304	*B2	Q800	*G2	R354	*D4	R741	*E2
C200	*A2	C500	*E5	C813	*G2	CN97	F7	IC350	*D5	Q801	*G3	R355	*C7	R742	E1
C201	*D2	C501	*E6	C814	G1	CN98	B7	IC351	*D5	Q802	*G3	R356	D5	R743	*E1
C202	*B3	C502	*E5	C815	*G3	CN100	A1	IC352	C4	Q803	G2	R357	D5	R744	*E1
C203	*B3	C503	*E5	C816	*G2	CN101	B1	IC353	*E4	Q804	G2	R358	*C4	R745	*E2
C204	*E1	C504	*E4	C817	*G2	CN700	F1	IC354	*E3	Q805	G2	R359	*C4	R746	*E2
C205	*C2	C505	*E5	C818	G2	CN701	E1	IC355	*D3	Q806	G2	R360	*C5	R747	F1
C206	*B2	C506	*E5	C819	*G2	CN800	G1	IC356	*C4	Q807	*G1	R361	*C5	R748	E1
C207	*D1	C507	*F4	C820	G2			IC357	D5			R400	*C3	R749	E2
C208	*A3	C508	*E3	C821	*G2	D200	*D1	IC358	D6	R100	A2	R404	*C2	R750	*E2
C209	*D1	C509	*D3	C822	*G2	D201	*D1	IC359	D5	R101	A2	R405	*C2	R751	F1
C210	*A3	C550	F5	C823	G2	D300	E1	IC400	C3	R102	A2	R450	*D3	R752	*F2
C211	*F1	C551	F5	C824	*G2	D301	E1	IC406	C2	R103	A2	R451	*D3	R753	*F2
C212	*D2	C552	*E3	C825	*G2	D302	E1	IC407	*C2	R104	B2	R452	*D2	R754	E1
C213	*A3	C553	*F3	C826	*G2	D303	E1	IC408	*C2	R105	B2	R453	*D2	R755	*E2
C214	D1	C554	*F3	C827	*G2	D304	E1	IC450	*D2	R106	*A2	R454	*D3	R756	*E2
C215	*A3	C555	*F3	C828	G2	D305	E1	IC451	*D3	R107	*B2	R455	*D2	R757	F1
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C219	*A3	C559	*F3	C832	G2	D453	*D2	IC455	D3	R111	*A2	R459	D2	R800	*G2
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C251	*B4	C600	*F4	C835	*G2			IC458	C5	R114	*B2	R462	D2	R803	E7
C252	*B4	C601	*E3	C836	*G2	E1	A4	IC500	*E5	R115	*A2	R463	D3	R804	E7
C253	*C4	C602	*E2	C837	F2	E2	B5	IC501	*E6	R116	A2	R464	*C2	R805	*G5
C254	*B3	C603	*E2	C838	F2	E3	A5	IC502	*E5	R117	*A1	R465	*C2	R806	*G5
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C256	*B4	C605	*D2	C840	*G2	E5	D5	IC550	F5	R119	A2	R467	*C5	R808	*G5
C257	*B4	C606	*E3	C841	G2	E6	B1	IC551	F5	R120	A1	R468	*D7	R809	*G5
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C263	*B4	C703	F2	C846	G1	FB101	*A2	IC556	*F3	R125	*A1	R504	*E5	R814	*G5
C264	*B4	C704	F2	C847	G1	FB102	*A1	IC557	*F3	R126	A1	R505	*E5	R815	*G5
C300	*C4	C705	*F2	C848	*G1	FB103	*A1	IC558	*F5	R127	A2	R506	*E5	R816	*G5
C301	*A3	C706	F2	C849	G1	FB104	*B2	IC600	F4	R128	*B2	R507	*E5	R817	*G5
C302	*A2	C707	*F2	C850	*G1	FB105	*A2	IC601	E3	R129	*B2	R508	E3	R818	*G5
C303	*A2	C708	*F2	C900	*A5	FB106	A1	IC602	*E3	R130	*A2	R550	F5	R819	*G5
C304	*A2	C709	F2	C901	*B4	FB107	*A2	IC603	*E3	R131	*A2	R551	*F5	R820	*G5
C305	A3	C710	*E2	C902	*A4	FB108	*B2	IC700	*F2	R132	*B2	R552	*F3	R821	*G4
C306	*A4	C711	*F2	C903	*A4	FB400	*B7	IC701	*F2	R133	*A2	R553	*F3	R822	*G2
C307	B2	C712	*E2	C904	*A4	FB450	*C2	IC702	E2	R134	A2	R554	*F3	R823	*G2
C308	B2	C713	F2	C905	*B4	FB451	*D2	IC800	G5	R135	*B2	R555	*F3	R824	G2



SDI-41 -A SIDE-
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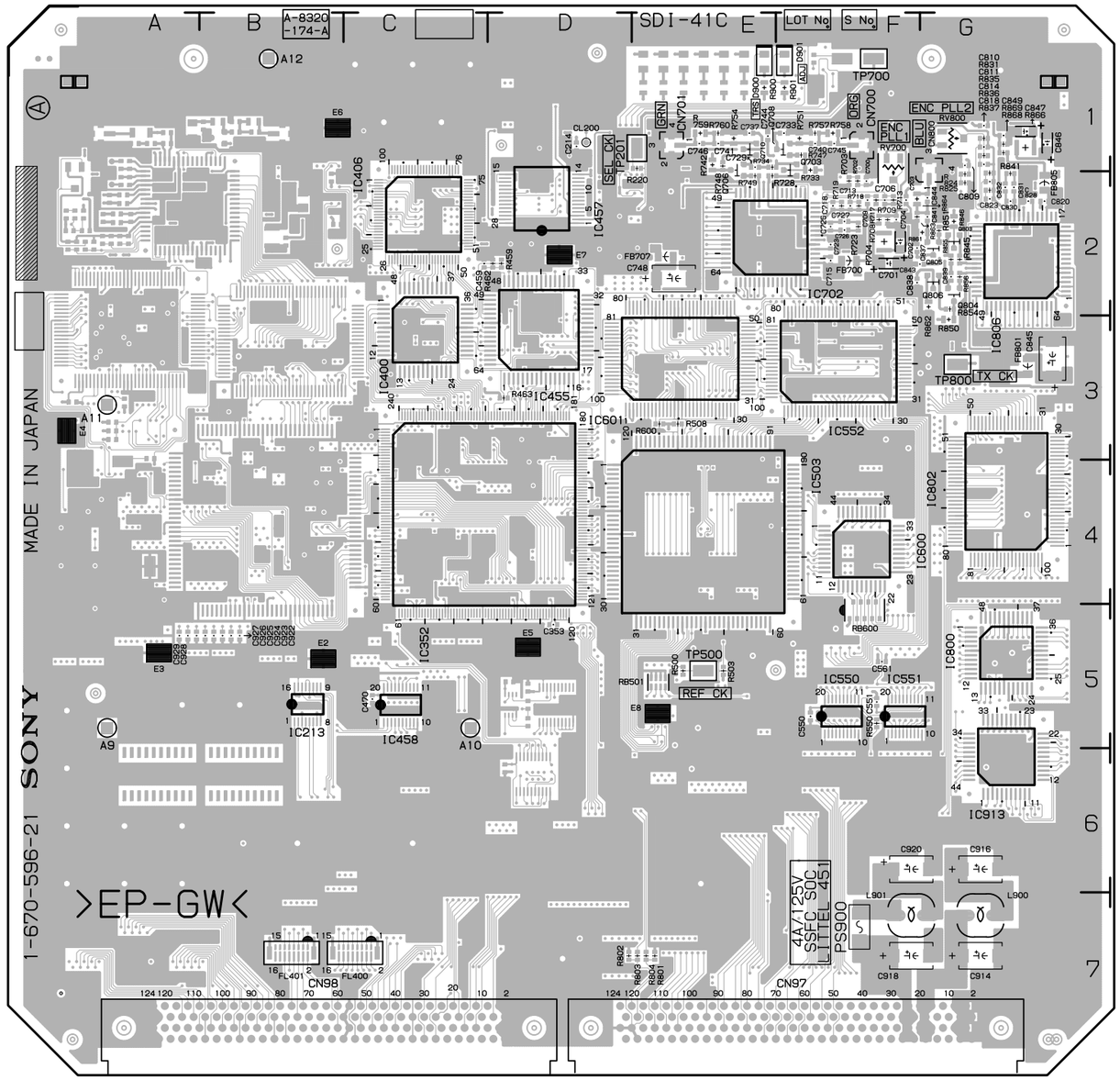


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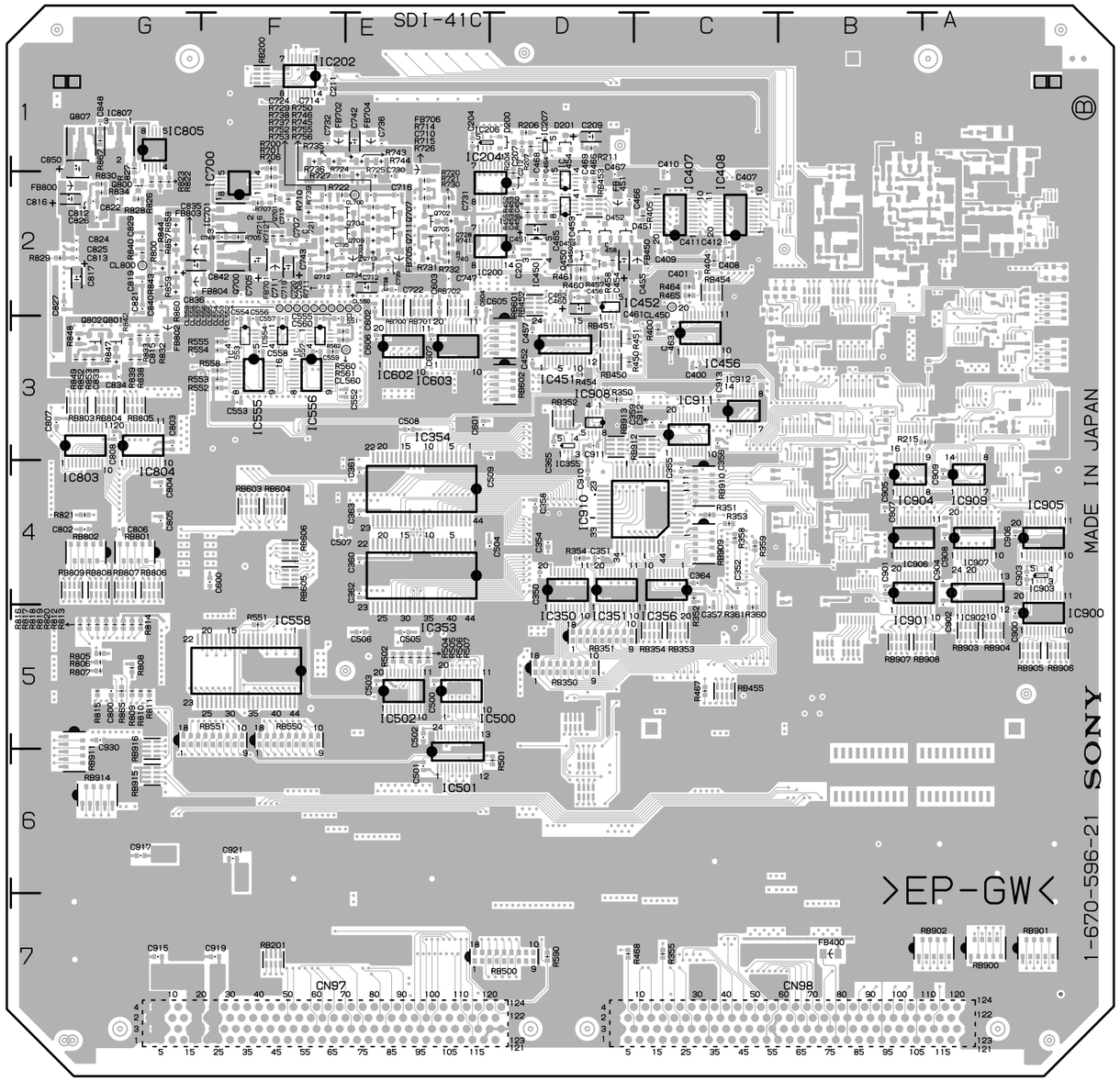
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R833	*G3	RB906	*A5
R834	*G2	RB907	*B5
R835	G1	RB908	*A5
R836	G2	RB909	*C4
R837	G2	RB910	*C4
R838	*G3	RB911	*G6
R839	*G3	RB912	*C3
R840	*G2	RB913	*D3
R841	G2	RB914	*G6
R842	*G3	RB915	*G6
R843	*G2	RB916	*G5
R844	*G2		
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R846	G2	RV700	F1
R847	*G3	RV800	G1
R848	*G3		
R849	*G3	TP200	F1
R850	G3	TP201	E1
R851	G2	TP300	A4
R852	*G3	TP500	E5
R853	*G3	TP700	F1
R854	G2	TP800	G3
R855	G2		
R856	G2	*:B SIDE	
R857	*G2		
R858	*G2		
R859	*G2		
R860	*G2		
R861	G2		
R862	G2		
R863	F2		
R864	F2		
R865	*G5		
R866	G1		
R867	*G1		
R868	G1		
R869	G1		
R900	E1		
R901	F1		
RB100	*B2		
RB101	*B2		
RB102	*B2		
RB200	*F1		
RB201	*F7		
RB250	*B5		
RB251	*B5		
RB300	*A2		
RB301	*A3		
RB350	*D5		
RB351	*D5		
RB352	*D3		
RB353	*C5		
RB354	*C5		
RB355	*D6		
RB356	*D6		
RB357	*D5		
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RB453	*D2		
RB454	*C2		
RB455	*C5		
RB500	*D7		
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RB550	*F5		
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RB600	F5		
RB601	*D3		
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RB807	*G4		

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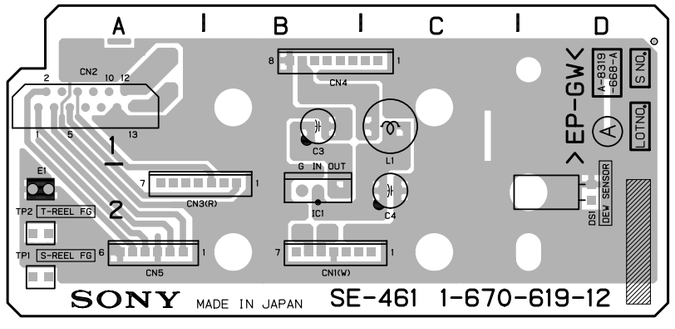
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C207	*D1	C712	*E2	C904	*A4	IC207	*D1			R732	*E2	R863	F2		
C209	*D1	C713	F2	C905	*B4	IC213	B5	R204	*D2	R733	F1	R864	F2		
C211	*F1	C714	*E2	C906	*A4	IC350	*D5	R206	*D1	R734	E1	R865	*G5		
C212	*D2	C715	F2	C907	*B4	IC351	*D5	R207	*D1	R735	*F1	R866	G1		
C214	D1	C716	*E2	C908	*A4	IC352	C4	R211	*D1	R736	*F1	R867	*G1		
C350	*D4	C717	*F2	C909	*A4	IC353	*E4	R215	*A3	R737	*F2	R868	G1		
C351	*D4	C718	F2	C910	*D4	IC354	*E3	R220	E1	R738	*F2	R869	G1		
C352	*C4	C719	*F2	C911	*D3	IC355	*D3	R350	*D3	R739	*F2	R900	E1		
C353	D5	C720	*F2	C912	*C3	IC356	*C4	R351	*C4	R740	*E2	R901	F1		
C354	*D4	C721	*F2	C913	*C3	IC400	C3	R352	*C4	R741	*E2				
C355	*C4	C722	*E2	C914	G7	IC406	C2	R353	*C4	R742	E1	RB200	*F1		
C356	*C3	C723	F2	C915	*G7	IC407	*C2	R354	*D4	R743	*E1	RB201	*F7		
C357	*C5	C724	*F2	C916	G6	IC408	*C2	R355	*C7	R744	*E1	RB350	*D5		
C358	*D4	C725	F2	C917	*G6	IC450	*D2	R358	*C4	R745	*E2	RB351	*D5		
C359	*C3	C726	F2	C918	F7	IC451	*D3	R359	*C4	R746	*E2	RB352	*D3		
C360	*E4	C727	F2	C919	*F7	IC452	*D2	R360	*C5	R747	F1	RB353	*C5		
C361	*E4	C728	*E2	C920	F6	IC453	*D2	R361	*C5	R748	E1	RB354	*C5		
C362	*E4	C729	E1	C921	*F6	IC454	*D2	R400	*C3	R749	E2	RB450	*D3		
C363	*E4	C730	*E2	C922	B5	IC455	D3	R404	*C2	R750	*E2	RB451	*D3		
C364	*C4	C731	*E2	C923	B5	IC456	*C3	R405	*C2	R751	F1	RB452	*D2		
C365	*D3	C732	*F1	C924	B5	IC457	D2	R450	*D3	R752	*F2	RB453	*D2		
C400	*C3	C733	F1	C925	B5	IC458	C5	R451	*D3	R753	*F2	RB454	*C2		
C401	*C2	C734	*F2	C926	B5	IC500	*E5	R452	*D2	R754	E1	RB455	*C5		
C407	*C2	C735	*F2	C927	A5	IC501	*E6	R453	*D2	R755	*E2	RB500	*D7		
C408	*C2	C736	*E1	C928	A5	IC502	*E5	R454	*D3	R756	*E2	RB501	E5		
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C410	*C2	C738	*E2	C930	*G5	IC550	F5	R456	*D2	R758	F1	RB551	*F5		
C411	*C2	C739	*E2			IC551	F5	R457	*D2	R759	E1	RB600	F5		
C412	*C2	C740	F1	CL200	D1	IC552	F3	R458	*D2	R760	E1	RB601	*D3		
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C451	*D2	C742	*E1	CL550	*E2	IC554	*F3	R460	*D2	R801	E7	RB603	*F4		
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C453	*D2	C744	E1	CL552	*F2	IC556	*F3	R462	D2	R803	E7	RB605	*F4		
C454	*D2	C745	F1	CL553	*F2	IC557	*F3	R463	D3	R804	E7	RB606	*F4		
C455	*D2	C746	E1	CL554	*F2	IC558	*F5	R464	*C2	R805	*G5	RB700	*E2		
C456	*D2	C747	*E2	CL555	*F2	IC600	F4	R465	*C2	R806	*G5	RB701	*E2		
C457	*D3	C748	E2	CL556	*F2	IC601	E3	R466	*D2	R807	*G5	RB702	*E2		
C458	*D2	C749	*F2	CL557	*F2	IC602	*E3	R467	*C5	R808	*G5	RB801	*G4		
C459	C2	C800	*G5	CL558	*F2	IC603	*E3	R468	*D7	R809	*G5	RB802	*G4		
C460	*D2	C802	*G4	CL559	*F2	IC700	*F2	R500	E5	R810	*G5	RB803	*G3		
C461	*D3	C803	*G3	CL560	*E3	IC701	*F2	R501	*D6	R811	*G5	RB804	*G3		
C462	*D2	C804	*G4	CL700	*E2	IC702	E2	R502	*E5	R812	*G5	RB805	*G3		
C463	*C3	C805	*G4	CL800	*G2	IC800	G5	R503	E5	R813	*G5	RB806	*G4		
C464	*D2	C806	*G4			IC802	G4	R504	*E5	R814	*G5	RB807	*G4		
C465	*D2	C807	*G3	CN97	F7	IC803	*G4	R505	*E5	R815	*G5	RB808	*G4		
C466	*D2	C808	*G3	CN98	B7	IC804	*G4	R506	*E5	R816	*G5	RB809	*G4		
C467	*D2	C809	G1	CN700	F1	IC805	*G1	R507	*E5	R817	*G5	RB900	*A7		
C468	*D2	C810	G1	CN701	E1	IC806	G2	R508	E3	R818	*G5	RB901	*A7		
C469	*D2	C811	G1	CN800	G1	IC807	*G1	R550	F5	R819	*G5	RB902	*A7		
C470	C5	C812	*G2			IC900	*A5	R551	*F5	R820	*G5	RB903	*A5		
C500	*E5	C813	*G2	D200	*D1	IC901	*B5	R552	*F3	R821	*G4	RB904	*A5		
C501	*E6	C814	G1	D201	*D1	IC902	*A5	R553	*F3	R822	*G2	RB905	*A5		
C502	*E5	C815	*G3	D450	*D2	IC903	*A4	R554	*F3	R823	*G2	RB906	*A5		
C503	*E5	C816	*G2	D451	*D2	IC904	*B4	R555	*F3	R824	G2	RB907	*B5		
C504	*E4	C817	*G2	D452	*D2	IC905	*A4	R558	*F3	R825	G2	RB908	*A5		
C505	*E5	C818	G2	D453	*D2	IC906	*B4	R560	*F3	R826	*G2	RB909	*C4		
C506	*E5	C819	*G2	D900	E1	IC907	*A4	R561	*F3	R827	*G1	RB910	*C4		
C507	*F4	C820	G2	D901	F1	IC908	*D3	R562	*F3	R828	*G2	RB911	*G6		
C508	*E3	C821	*G2			IC909	*A4	R590	*D7	R829	*G2	RB912	*C3		
C509	*D3	C822	*G2	E2	B5	IC910	*C4	R600	E3	R830	*G2	RB913	*D3		
C550	F5	C823	G2	E3	A5	IC911	*C3	R700	*F1	R831	G1	RB914	*G6		
C551	F5	C824	*G2	E4	A3	IC912	*C3	R701	*F2	R832	*G3	RB915	*G6		
C552	*E3	C825	*G2	E5	D5	IC913	G6	R702	F2	R833	*G3	RB916	*G5		
C553	*F3	C826	*G2	E6	B1			R703	F2	R834	*G2				
C554	*F3	C827	*G2	E7	D2	L900	G7	R704	F2	R835	G1	RV700	F1		
C555	*F3	C828	G2	E8	E5	L901	F7	R705	*F2	R836	G2	RV800	G1		
C556	*F3	C829	*G2					R706	*F2	R837	G2				
C557	*F3	C830	G2	FB400	*B7	PS900	F7	R707	*F2	R838	*G3	TP201	E1		
C558	*F3	C831	G2	FB450	*C2			R708	F2	R839	*G3	TP500	E5		
C559	*F3	C832	G2	FB451	*D2	Q450	*D2	R709	F2	R840	*G2	TP700	F1		
C560	*F3	C833	*G3	FB700	F2	Q700	*F2	R710	*F2	R841	G2	TP800	G3		
C561	F5	C834	*G3	FB701	*F2	Q701	*F2	R711	*E2	R842	*G3				
C600	*F4	C835	*G2	FB702	*F1	Q702	*E2	R712	*F2	R843	*G2	*:B SIDE			
C601	*E3	C836	*G2	FB703	*E2	Q703	F1	R713	F2	R844	*G2				
C602	*E2	C837	F2	FB704	*E1	Q704	*E2	R714	*E2	R845	G2				
C603	*E2	C838	F2	FB705	*E2	Q705	*E2	R715	*E2	R846	G2				
C604	*E2	C839	G2	FB706	*E1	Q706	E1	R716	*F2	R847	*G3				
C605	*D2	C840	*G2	FB707	E2	Q707	*E2	R717	F2	R848	*G3				
C606	*E3	C841	G2	FB800	*G2	Q708	F1	R718	F2	R849	*G3				
C607	*E3	C842	*G2	FB801	G3	Q709	*E2	R719	F2	R850	G3				
C700	F2	C843	G2	FB802	*G3	Q710	E1	R720	*E2	R851	G2				
C701	F2	C844	G2	FB803	*G2	Q711	*E2	R721	*E2	R852	*G3				
C702	F2	C845	G3	FB804	*G2	Q712	*F2	R722	*F2	R853	*G3				
C703	F2	C846	G1	FB805	G2	Q713	*E2	R723	F2	R854	G2				
C704	F2	C847	G1			Q800	*G2	R724	*E2	R855	G2				
C705	*F2	C848	*G1	FL400	C7	Q801	*G3	R725	*E2	R856	G2				
C706	F2	C849	G1	FL401	B7	Q802	*G3	R726	*E2	R857	*G2				
C707	*F2	C850	*G1			Q803	G2	R727	*F2	R858	*G2				
C708	*F2	C900	*A5	IC200	*D2	Q804	G2	R728	E2	R859	*G2				
C709	F2	C901	*B4	IC202	*F1	Q805	G2	R729	*F2	R860	*G2				



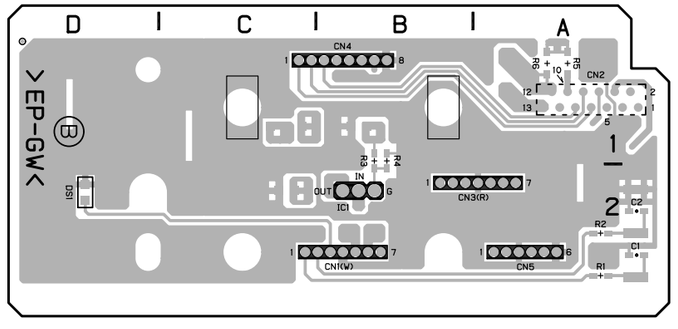
SDI-41C -A SIDE-
SUFFIX: -21



SDI-41C -B SIDE-
SUFFIX: -21



SE-461 -A SIDE-
SUFFIX: -12

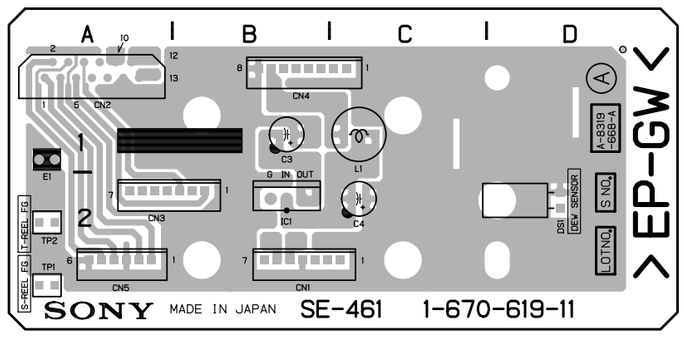


SE-461 -B SIDE-
SUFFIX: -12

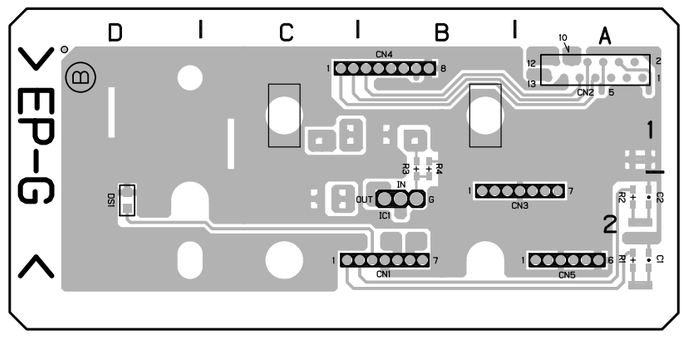
SE-461 (1-670-619-12)

C1	*A2
C2	*A2
C3	B1
C4	C2
CN1	B2
CN2	A1
CN3	A2
CN4	B1
CN5	A2
DS1	D2
E1	A2
IC1	B2
L1	C1
R1	*A2
R2	*A2
R3	*B1
R4	*B1
R5	*A1
R6	*A1
TP1	A2
TP2	A2

*:B SIDE



SE-461 -A SIDE-
SUFFIX: -11



SE-461 -B SIDE-
SUFFIX: -11

SE-461 (1-670-619-11)

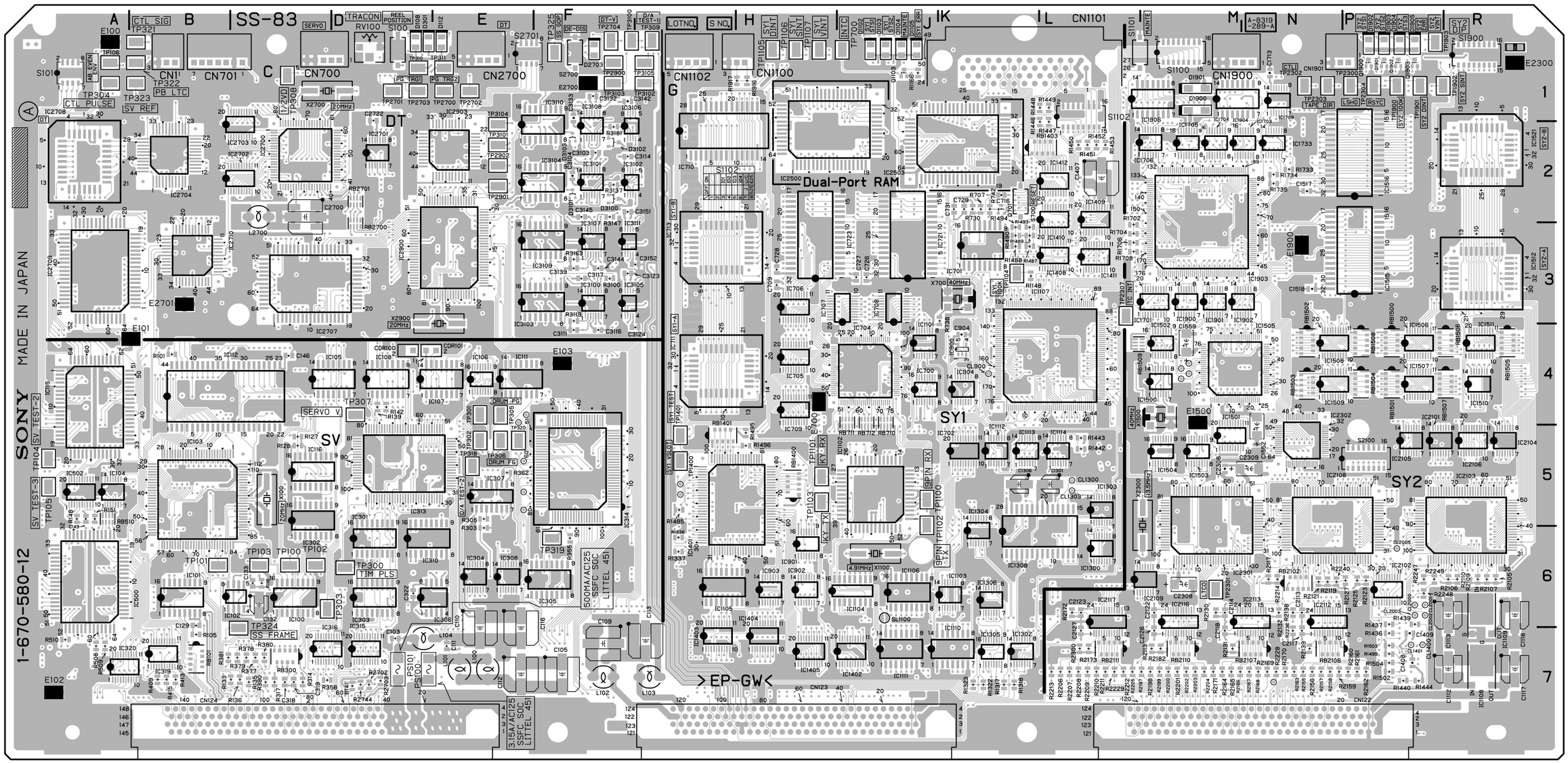
C1	*A2
C2	*A2
C3	B1
C4	C2
CN1	B2
CN2	A1
CN3	A2
CN4	B1
CN5	A2
DS1	D2
E1	A1
IC1	B2
L1	C1
R1	*A2
R2	*A2
R3	*B1
R4	*B1
TP1	A2
TP2	A2

*:B SIDE

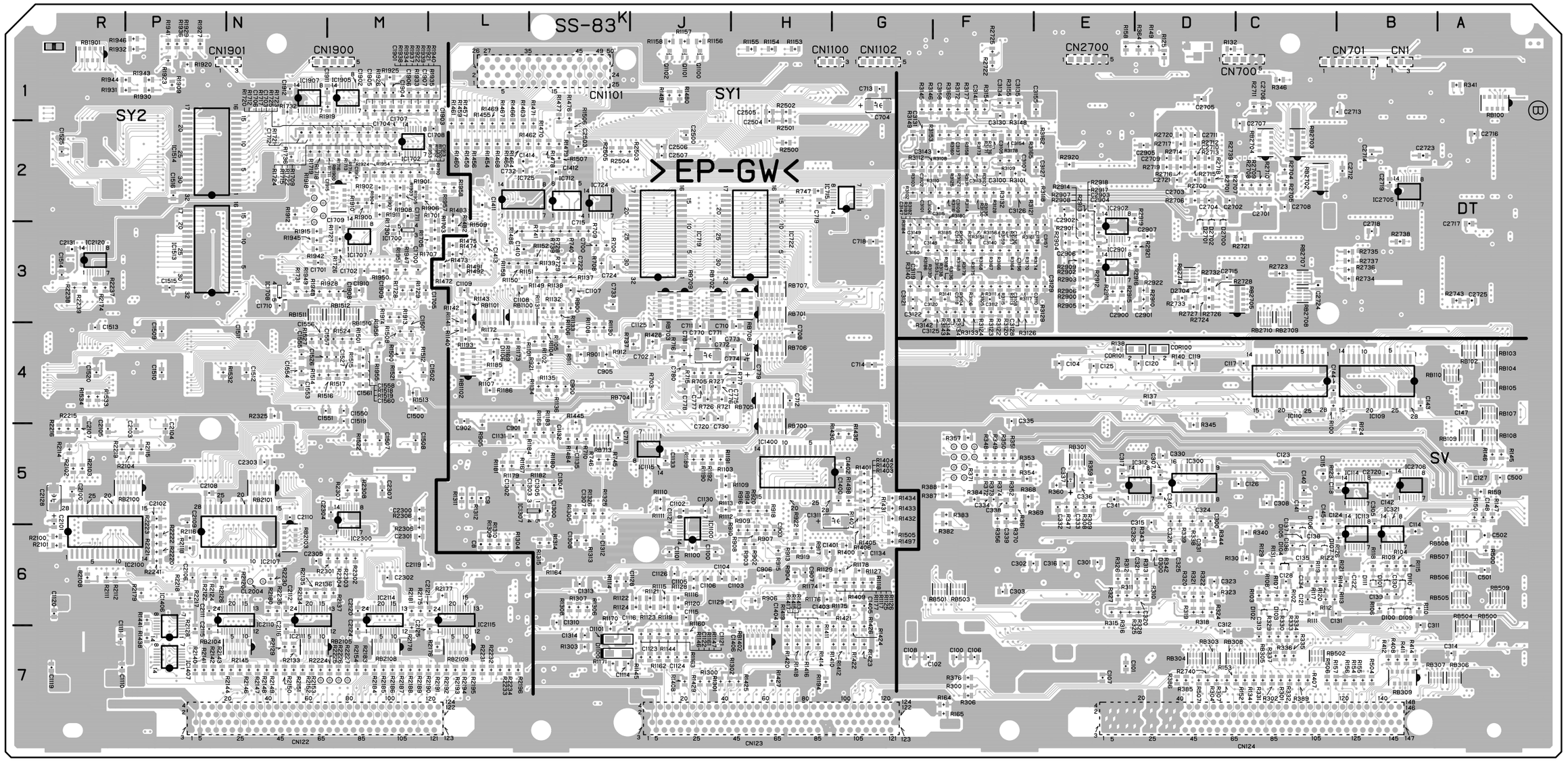
http://getMANUAL.com

SS-83 (1-670-580-12)

| | | |



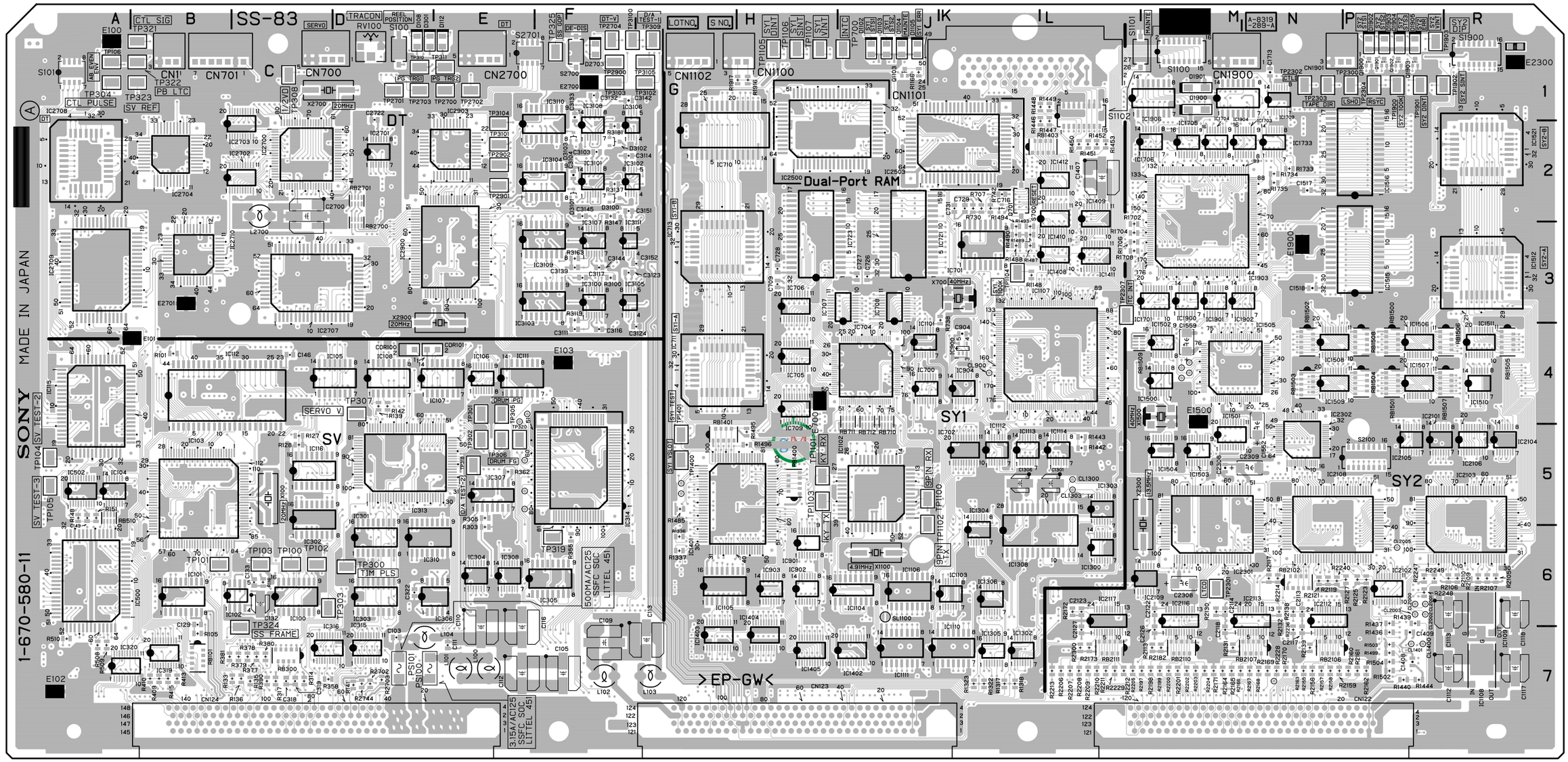
SS-83 -A SIDE-
SUFFIX: -12



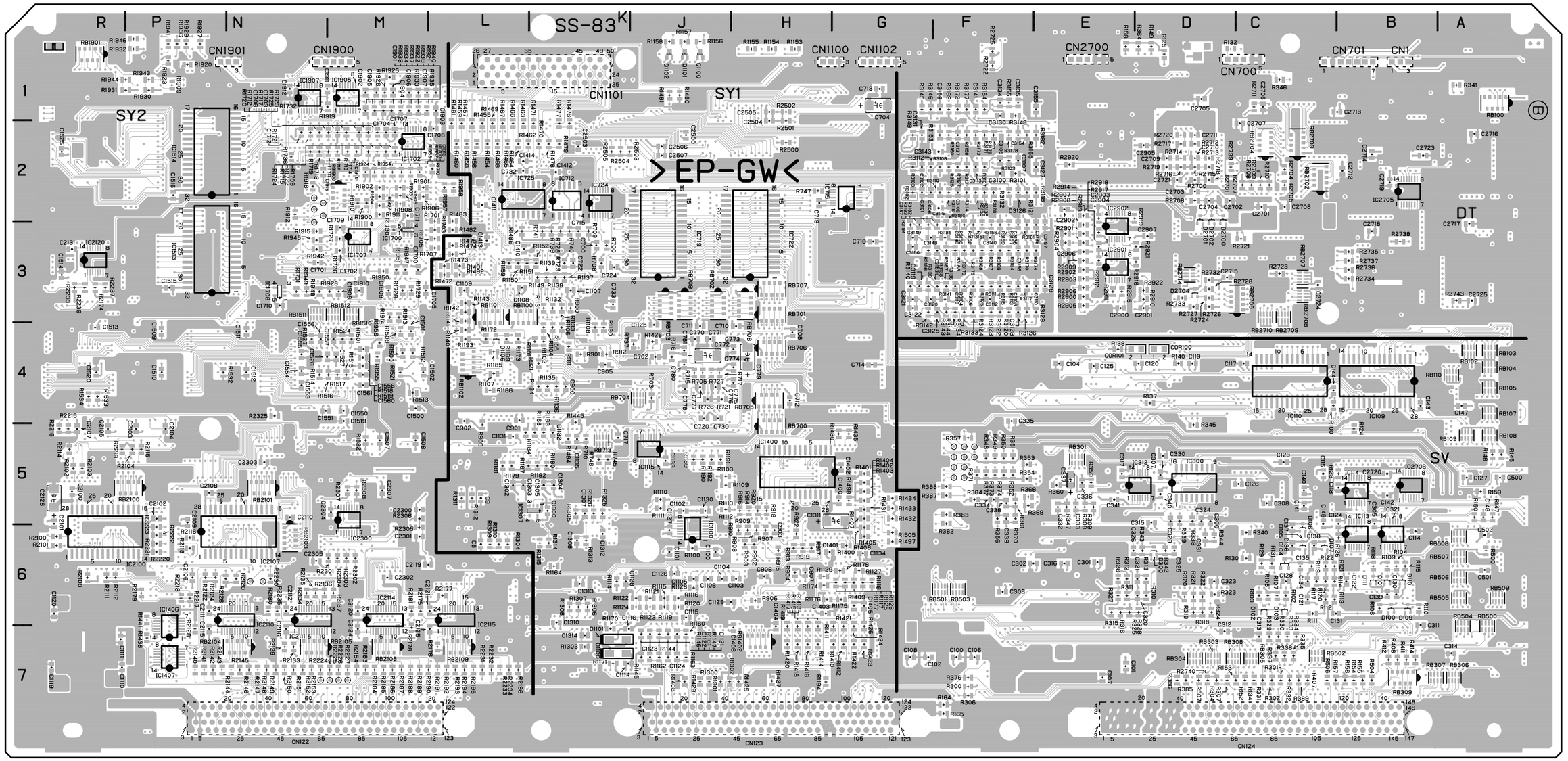
SS-83 -B SIDE-
SUFFIX: -12

SS-83 (1-670-580-11)

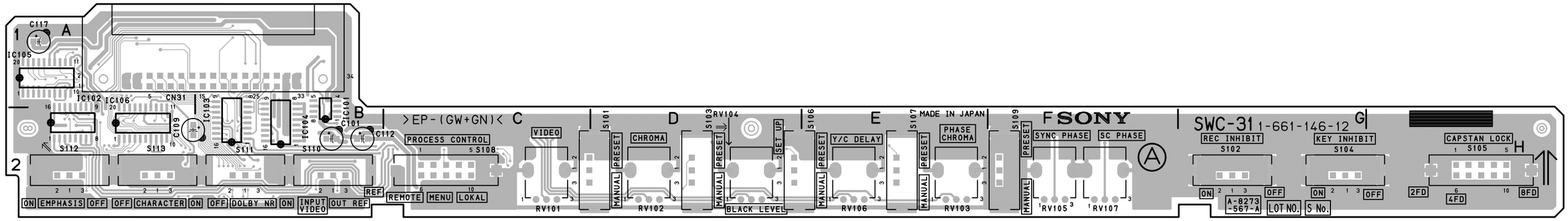
| | | |



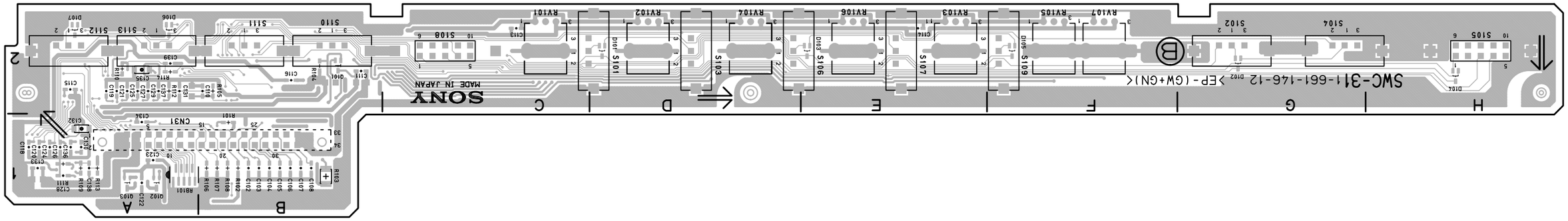
SS-83 -A SIDE-
SUFFIX: -11



SS-83 -B SIDE-
SUFFIX: -11



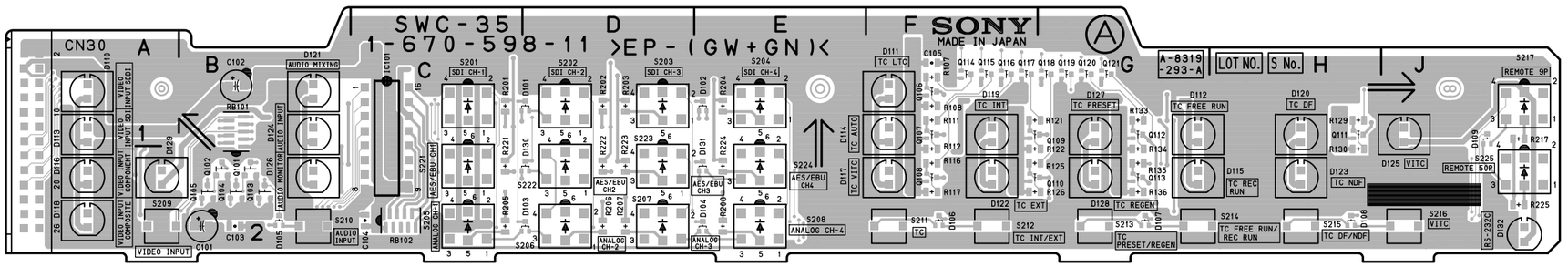
SWC-31 -A SIDE-
SUFFIX: -12



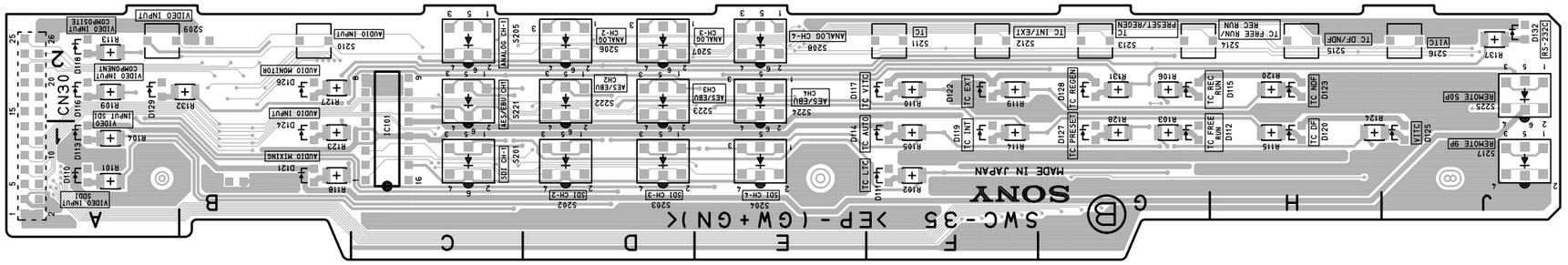
SWC-31 -B SIDE-
SUFFIX: -12

SWC-31 (1-661-146-12)

C101	B2	C127	*A2	IC103	B2	RV101	C2
C102	*B1	C128	*A1	IC104	B2	RV102	D2
C103	*B1	C129	*A2	IC105	A1	RV103	E2
C104	*B1	C130	*A1	IC106	A2	RV104	D2
C105	*B1	C131	*A2			RV105	F2
C106	*B1	C132	*A1	Q101	*B2	RV106	E2
C107	*B1	C133	*A1	Q102	*A1	RV107	F2
C108	*B1	C134	*A1	Q103	*A1		
C109	A2	C135	*A2			S101	D2
C110	*B2	C136	*A1	R101	*B1	S102	G2
C111	*B2	C137	*A2	R102	*B1	S103	D2
C112	B2	C138	*A1	R103	*B1	S104	G2
C113	*C2	C139	*A2	R104	*B2	S105	H2
C114	*E2			R105	*B2	S106	D2
C115	*A2	CN31	B1	R106	*B1	S107	E2
C116	*B2			R107	*B1	S108	C2
C117	A1	D101	*D2	R108	*B1	S109	F2
C118	*A1	D102	*G2	R109	*A1	S110	B2
C119	*A2	D103	*E2	R110	*A2	S111	B2
C120	*A1	D104	*H2	R111	*A1	S112	A2
C121	*A2	D105	*F2	R112	*A2	S113	A2
C122	*A1	D106	*A2	R113	*A1		
C123	*A1	D107	*A2	R114	*A2	*:B SIDE	
C124	*A1						
C125	*A2	IC101	B2	RB101	*A1		
C126	*A1	IC102	A2				



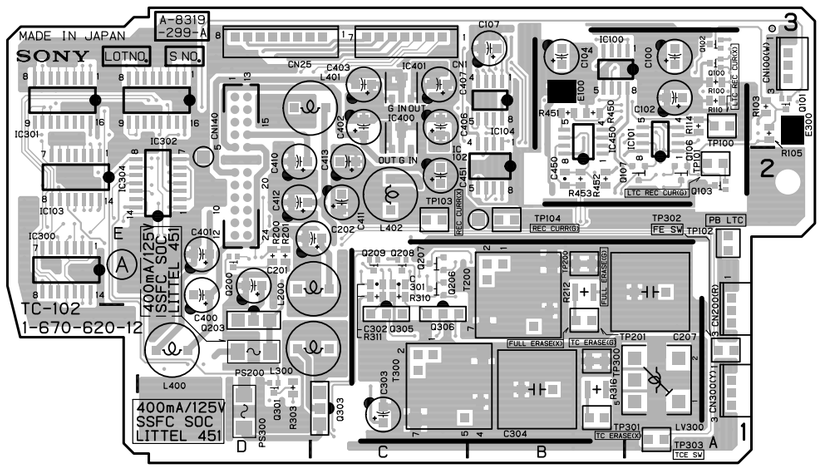
SWC-35 -A SIDE-
SUFFIX: -11



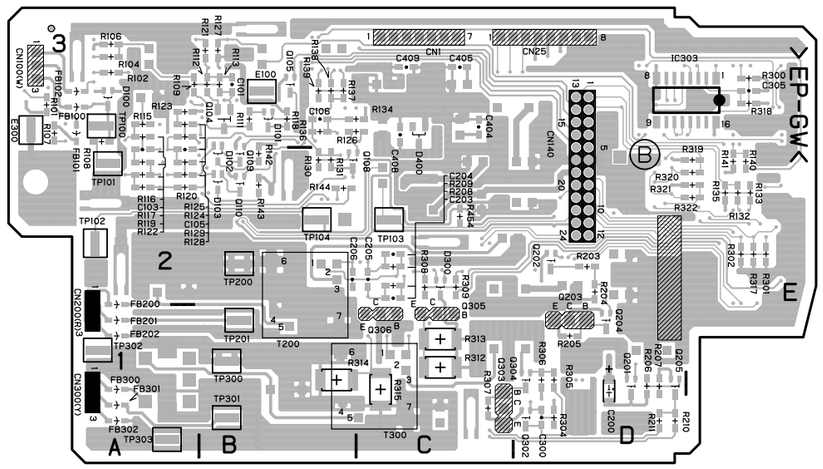
SWC-35 -B SIDE-
SUFFIX: -11

SWC-35 (1-670-598-11)

C101	B2	D119	F1	Q110	F2	R114	*F1	R203	D1	S211	F2
C102	B1	D120	H1	Q111	H1	R115	*H1	R204	E1	S212	F2
C103	B2	D121	B1	Q112	G1	R116	F2	R205	C2	S213	G2
C104	C2	D122	F2	Q113	G2	R117	F2	R206	D2	S214	G2
C105	F1	D123	H2	Q114	F1	R118	*B1	R207	D2	S215	H2
		D124	B1	Q115	F1	R119	*F2	R208	E2	S216	J2
CN30	A1	D125	J1	Q116	F1	R120	*H2	R217	J1	S217	J1
		D126	B2	Q117	F1	R121	F1	R221	C2	S221	C2
D101	D1	D127	G1	Q118	G1	R122	F2	R222	D2	S222	D2
D102	E1	D128	G2	Q119	G1	R123	*B1	R223	D2	S223	D2
D103	D2	D129	A2	Q120	G1	R124	*H1	R224	E2	S224	E2
D104	E2	D130	D2	Q121	G1	R125	F2	R225	J2	S225	J2
D105	B2	D131	E2			R126	F2				
D106	F2	D132	J2	R101	*A1	R127	*B2	RB101	B1	*:B SIDE	
D107	G2			R102	*F1	R128	*G1	RB102	C2		
D108	H2	IC101	C1	R103	*G1	R129	H1				
D109	J1			R104	*A1	R130	H2	S201	C1		
D110	A1	Q101	B2	R105	*F1	R131	*G2	S202	D1		
D111	F1	Q102	B2	R106	*G2	R132	*B2	S203	D1		
D112	G1	Q103	B2	R107	F1	R133	G1	S204	E1		
D113	A1	Q104	B2	R108	F1	R134	G2	S205	C2		
D114	F1	Q105	B2	R109	*A2	R135	G2	S206	D2		
D115	G2	Q106	F1	R110	*F2	R136	G2	S207	D2		
D116	A2	Q107	F1	R111	F1	R137	*J2	S208	E2		
D117	F2	Q108	F2	R112	F2	R201	C1	S209	A2		
D118	A2	Q109	F1	R113	*A2	R202	D1	S210	B2		



TC-102 -A SIDE-
SUFFIX: -11, 12

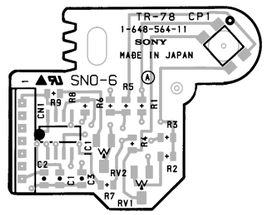


TC-102 -B SIDE-
SUFFIX: -11, 12

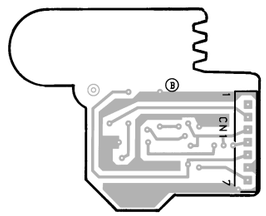
TC-102 (1-670-620-11,12)

C100	A3	D101	*B3	Q103	A2	R122	*A2	R312	*C1
C101	*B3	D102	*B2	Q104	*B3	R123	*A3	R313	*C1
C102	A3	D103	*B2	Q105	*B3	R124	*A3	R314	*B1
C103	*A2	D300	*C2	Q106	A2	R125	*A3	R315	*C1
C104	B3	D400	*C3	Q107	A2	R126	*B3	R316	B1
C105	*A2			Q108	*B2	R127	*B3	R317	*E2
C106	*B3	E100	B3	Q109	*B2	R128	*A2	R318	*E3
C107	B3	E300	A3	Q110	*B2	R129	*A2	R319	*E2
C200	*D1			Q200	D2	R130	*B2	R320	*E2
C201	D2	FB100	*A3	Q201	*D1	R131	*B2	R321	*E2
C202	C2	FB101	*A3	Q202	*D2	R132	*E2	R322	*E2
C203	*C2	FB102	*A3	Q203	D1	R133	*E2	R450	B3
C204	*C2	FB200	*A1	Q204	*D1	R134	*B3	R451	B3
C205	*C2	FB201	*A1	Q205	*D1	R135	*E2	R452	B2
C206	*B2	FB202	*A1	Q206	C2	R136	*B3	R453	B2
C207	A2	FB300	*A1	Q207	C2	R137	*B3	R454	*C2
C300	*D1	FB301	*A1	Q208	C2	R138	*B3		
C301	C2	FB302	*A1	Q209	C2	R139	*B3	T200	B2
C302	C2			Q301	D1	R140	*E2	T300	C1
C303	C1	IC100	A3	Q302	*D1	R141	*E2		
C304	B1	IC101	A2	Q303	C1	R142	*B2	TP100	A3
C305	*E3	IC102	B3	Q304	*D1	R143	*B2	TP101	A2
C400	D2	IC103	E2	Q305	C1	R144	*B2	TP102	A2
C401	D2	IC104	B3	Q306	C1	R200	D2	TP103	C2
C402	C3	IC300	E2			R201	D2	TP104	B2
C403	C3	IC301	E3	R100	A3	R203	*D2	TP200	B2
C404	*C3	IC302	D3	R101	*A3	R204	*D2	TP201	B1
C405	*C3	IC303	*E3	R102	*A3	R205	*D1	TP300	B1
C406	C3	IC304	D2	R103	A3	R206	*D1	TP301	B1
C407	C3	IC400	C3	R104	*A3	R207	*D1	TP302	A1
C408	*C3	IC401	C3	R105	A3	R208	*C2	TP303	A1
C409	*C3	IC450	B2	R106	*A3	R209	*C2		
C410	D2			R107	*A3	R210	*D1	*:B SIDE	
C411	C2	L200	C2	R108	*A3	R211	*D1		
C412	D2	L300	C1	R109	*A3	R212	B2		
C413	C2	L400	D1	R110	A3	R300	*E3		
C450	B2	L401	C3	R111	*B3	R301	*E2		
C451	C2	L402	C2	R112	*B3	R302	*E2		
				R113	*B3	R303	D1		
CN1	C3	LV300	A1	R114	A3	R304	*D1		
CN25	D3			R115	*A3	R305	*D1		
CN100	A3	PS200	D1	R116	*A3	R306	*D1		
CN140	D2	PS300	D1	R117	*A2	R307	*C1		
CN200	A1			R118	*B3	R308	*C2		
CN300	A1	Q100	A3	R119	*A2	R309	*C2		
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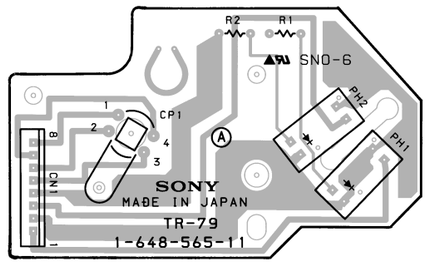
http://getMANUAL.com



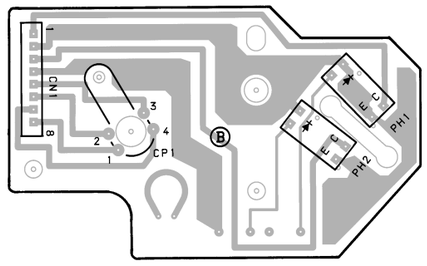
TR-78 -A SIDE-
SUFFIX: -11



TR-78 -B SIDE-
SUFFIX: -11



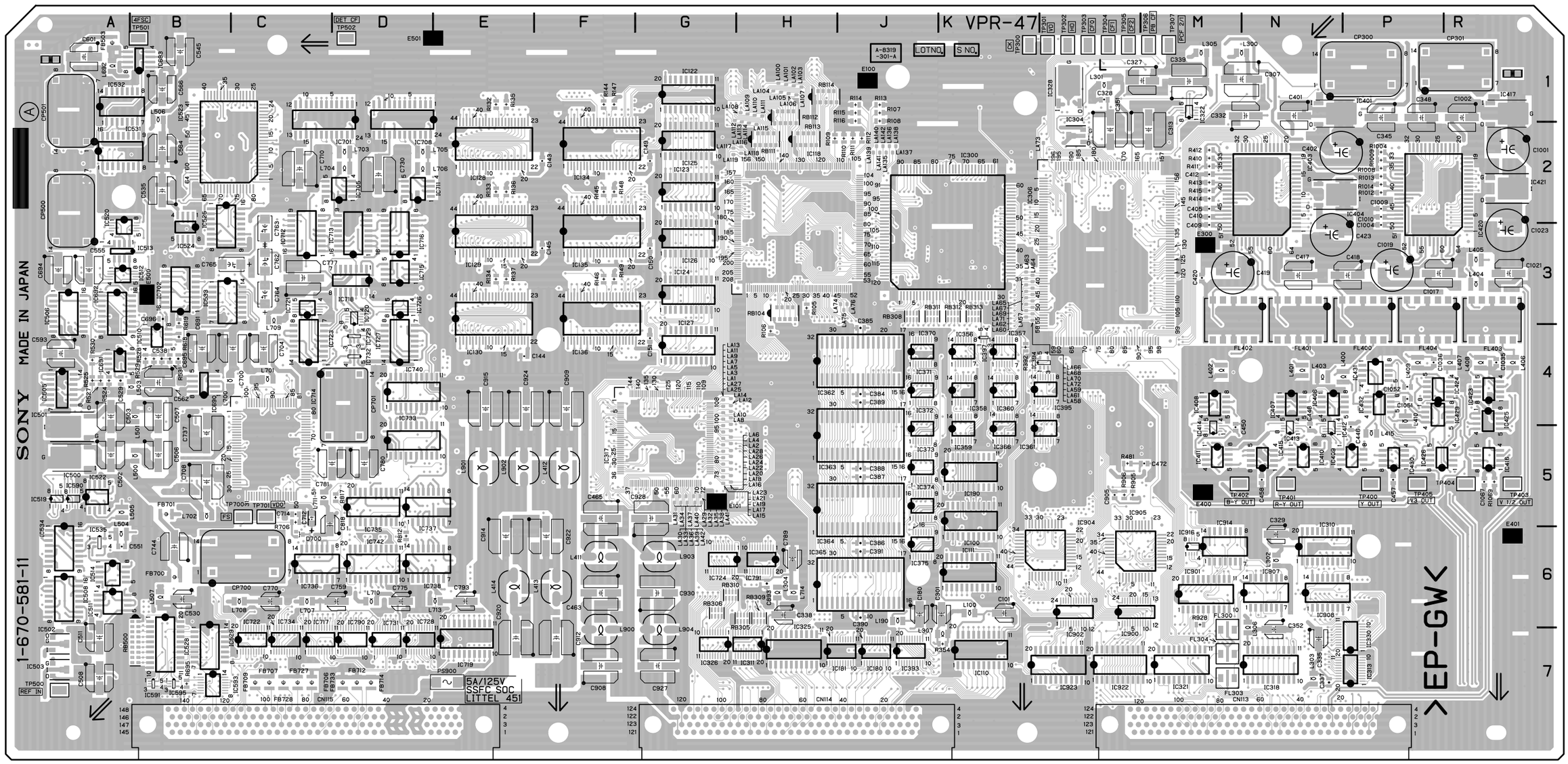
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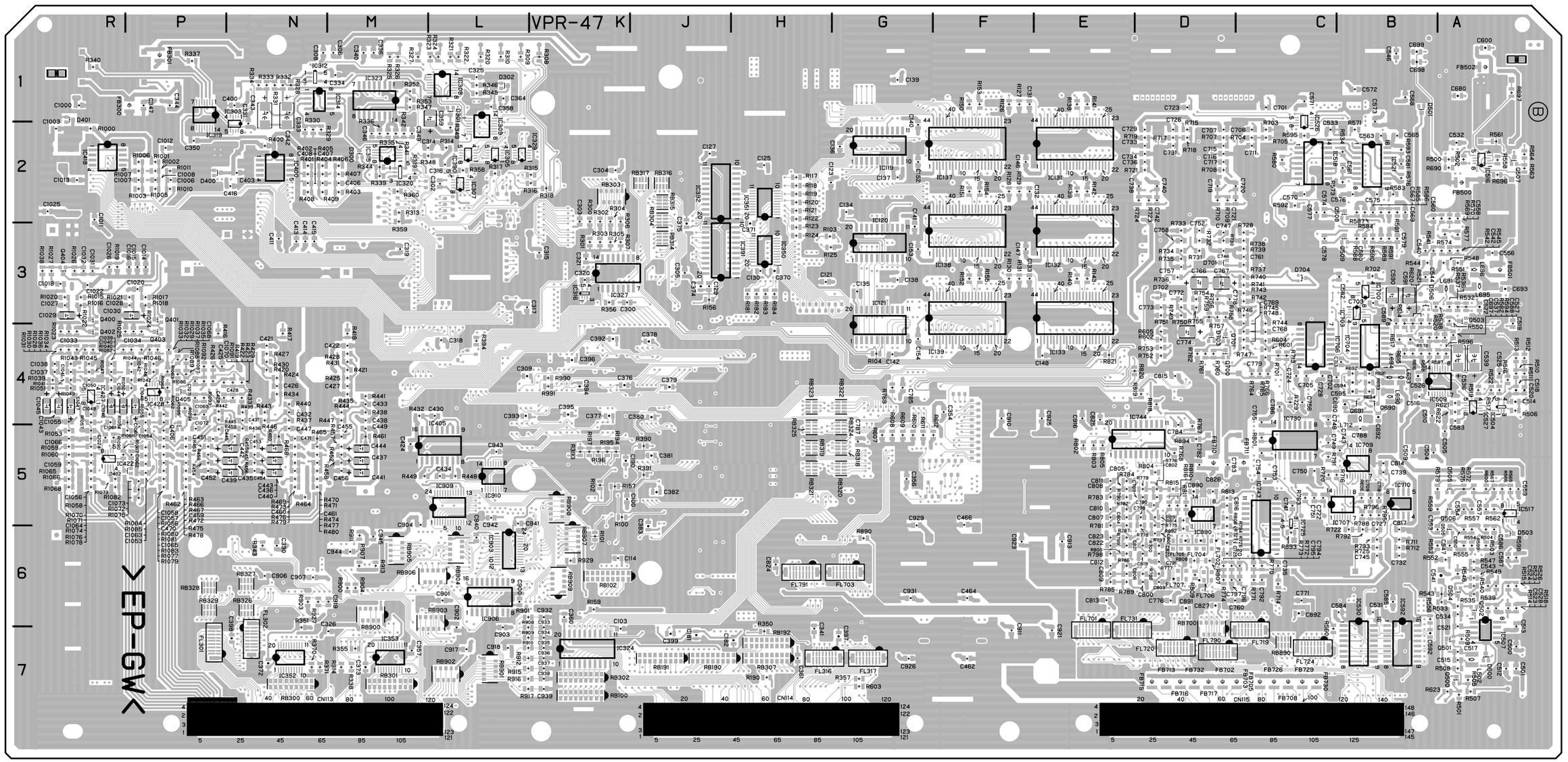
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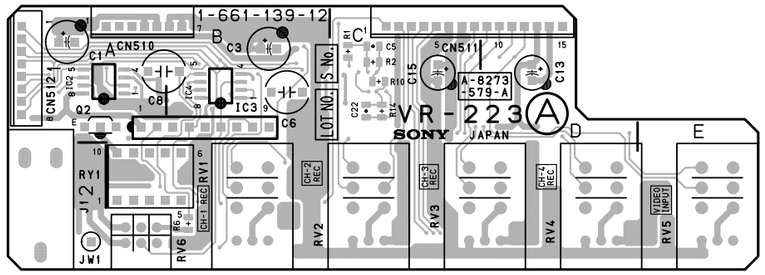
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C101	K6	C370	*H3	C463	F6	C588	*A4	C771	*C6	C931	*G6			IC111	K6	IC410	N5	IC726	D3	L900	F7	R184	*H3	R420	*N4	R530	A4	R623	*A7	R783	*E5	R1026	*R3	RB311	J3
C103	*K7	C371	*H3	C464	*F6	C589	*B4	C772	*D3	C932	*K6	CP300	P1	IC118	H3	IC411	M5	IC727	D4	L901	E5	R190	*H7	R421	*M4	R531	B4	R690	*A2	R784	*E5	R1027	*R3	RB312	K3
C114	*K6	C372	*N7	C465	F5	C590	*B3	C773	*D3	C933	*K7	CP301	R1	IC119	*G2	IC412	N5	IC728	D7	L902	E5	R194	*K5	R422	*P4	R532	*A3	R691	*B4	R785	*E6	R1028	*R4	RB313	K3
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C319	*M3	C424	*M5	C546	*B1	C732	*B6	C824	*H6	C1039	*R4	FB715	*D7	IC329	*L2	IC532	A1	L407	R4	R123	*H3	R349	*L2	R473	*N5	R583	*B2	R744	*C4	R910	*L7	R1079	*P5	*:B SIDE	
C320	*K3	C425	*P4	C547	*A6	C733	*D2	C825	*E4	C1040	*R4	FB716	*D7	IC330	P7	IC533	B3	L408	R4	R124	*H3	R350	*H7	R474	*N5	R584	*B2	R745	*C4	R911	*M6	R1080	*P5		
C321	*K3	C426	*N4	C550	*A6	C734	*D2	C826	*D5	C1041	*R4	FB717	*D7	IC350	*H3	IC534	A6	L409	P4	R125	*H3	R351	*N7	R475	*P5	R585	*B2	R746	*C3	R912	*L7	R1081	*P5		
C325	*L1	C427	*M4	C551	A6	C735	*C6	C827	*D6	C1042	*P4	FB726	*C7	IC351	*H2	IC535	A6	L410	P4	R126	*F1	R352	*M1	R476	*N5	R586	*B2	R747	*C4	R913	*M6	R1082	*R5		
C326	*M7	C428	*N4	C553	*A6	C736	*D2	C890	*D5	C1043	*R4	FB727	C7	IC352	*N7	IC590	A5	L411	F6	R127	*F1	R353	*M1	R477	*N5	R587	*B2	R748	*C4	R914	*M7	R1083	*P5		
C327	M1	C429	*P4	C554	*A5	C737	B5	C891	*D6	C1044	*R4	FB728	C7	IC353	*M7	IC591	B7	L412	F5	R128	*F2	R354	K7	R478	*P5	R588	*B3	R749	*D3	R915	*L7	R1084	*P5		
C328	L1	C430	*L4	C555	A3	C738	*D2	C892	*C6	C1045	*R4	FB729	*C7	IC356	K4	IC592	*B6	L413	F6	R129	*F2	R355	*M7	R479	*N5	R589	*B3	R750	*D3	R916	*L7	R1085	*P5		
C329	N6	C431	*N4	C556	*A3	C739	*B5	C893	H6	C1046	*R4	FB730	*C7	IC357	K4	IC593	B7	L414	E6	R130	*F3	R356	*K3	R480	*N5	R590	*B3	R751	*D3	R917	*L7	R1086	*P4		
C330	*N6	C432	*N4	C557	*A5	C740	*D2	C900	*L6	C1047	*R4	FB732	*D7	IC358	K4	IC595	B7	L415	P5	R131	*F3	R357	*G7	R481	L5	R591	*B3	R752	*D4	R927	*N6	R1087	*P4		
C331	*N2	C433	*M4	C558	*A2	C741	*C5	C901	*L6	C1048	*P4	FB733	D7	IC359	K5	IC690	B4	L500	B5	R132	E1	R358	*L2	R500	*A2	R592	*C2	R753	*D4	R928	M6	R1088	*P4		
C332	N1	C434	*L5	C559	*A5	C742	*D2	C902	*L7	C1049	*R4			IC360	K4	IC691	A4	L501	B4	R133	E2	R359	*M2	R501	*A7	R593	*B2	R754	*D3	R929	*K6	R1089	*P4		
C333	*N2	C435	*N5	C560	*B2	C743	*B5	C903	*L7	C1050	*R4	FL300	M7	IC361	K5	IC692	A3	L502	*A7	R134	E3	R360	*M2	R502	*A2	R594	*B4	R755	*D3	R990	*K4	R1090	*R5		
C334	*M1	C436	*N5	C561	*B2	C744	B6	C904	*M5	C1051	P4	FL301	*P7	IC362	H4	IC693	B1	L503	B4	R135	E1	R370	*N7	R503	*A6	R595	*C2	R756	*D3	R991	*K4	R1091	*P4		
C335	N7	C437	*M5	C562	B4	C745	*B6	C905	L5	C1052	P4	FL302	*N7	IC363	H5	IC700	*B3	L504	A6	R136	E2	R371	*N7	R504	*A6	R596	*A4	R757	*D3	R1000	*R2	R1092	*P4		
C336	*M1	C438	*M4	C563	*B2	C746	*D3	C906	*N6	C1053	*P5	FL303	M7	IC364	H6	IC701	D1	L505	A5	R137	E3	R390	*J5	R505	*A7	R597	*A4	R758	*D3	R1001	*P2	R1093	*P4		
C337	N7	C439	*N5	C564	B2	C747	*D3	C907	*N6	C1054	*P5	FL304	M7	IC365	H6	IC702	B3	L506	B1	R138	*E1	R391	*J5	R506	*A4	R598	*A6	R759	*D3	R1002	*P2	R1094	*P4		
C338	H6	C440	*N5	C565	*B2	C748	*C4	C908	F7	C1055	*R4	FL316	*H7	IC366	K5	IC703	*B3	L507	B6	R139	*E2	R392	K4	R507	*A7	R599	*A6	R760	*D4	R1003	*P2	R1095	*P4		
C339	M1	C441	*M5	C566	B1	C749	*C5	C909	F4	C1056	*R5	FL317	*G7	IC370	J4	IC704	*B4	L690	*B4	R140	*E3	R393	*K5	R508	*A7	R600	*A5	R761	*D4	R1004	P2				
C340	*M1	C442	*N5	C567	*B2	C750	*C5	C910	*F4	C1057	*P4	FL400	P3	IC371	J4	IC705	D2	L691	*A3	R141	*E1	R394	*L4	R509	*A7	R601	*C4	R762	*D4	R1005	*P2	RB100	*K7		
C341	*H7	C443	*N5	C568	*B1	C751	*C5	C911	*F7	C1058	*P4	FL401	N3	IC372	J5	IC706	*C4	L692	A1	R142	*E2	R400	*N2	R510	*A4	R602	*D4	R763	*C5	R1006	*P2	RB102	*K6		
C342	*N1	C444	*M5	C569	*B2	C752	*D3	C912	F7	C1059	*R5	FL402	M3	IC373	J5	IC707	*C5	L693	*B4	R143	*E3	R401	*N2	R511	*A4	R603	*G7	R764	*C4	R1007	*P2	RB104	H3		
C343	*N1	C445	*N5	C570	*C2	C753	*C5	C913	*E6	C1060	*P4	FL403	R3	IC374	J5	IC708	D1	L694	*B4	R144	F1	R402	*N2	R512	*A4	R604	*C4	R765	*C4	R1008	P2	RB111	H2		
C344	*P1	C446	P5	C571	*C1	C754	*C5	C914	E6	C1061	*R4	FL404	P3	IC375	J6	IC709	*B5	L695	*A3	R145	F2	R403	*M2	R513	*A4	R605	*D4	R766	*C4	R1009	P2	RB112	H1		
C345	P1	C447	*N5	C572	*B1	C755	*C4	C915	E4	C1062	*P5	FL701	*E7	IC390	*L2	IC710	*B5	L696	*A3	R146	F3	R404	*N2	R514	*A6	R606	*B5	R767	*D5	R1010	*P2	RB113	H2		
C346	*M2	C448	N5	C573	*B1	C756	*C4	C916	*E4	C1063	*P5	FL702	*D6	IC391	*H3	IC711	D2	L700	B4	R147	F1	R405	*N2	R515	*A6	R607	*G5	R768	*D5	R1011	*P2	RB114	H1		
C347	*P1	C449	*M5	C574	*C2	C757	*D3	C917	*L7	C1064	*R5	FL703	*G6	IC392	*H2	IC712	C3	L701	C4	R148	F2	R406	*M2	R516	*A4	R608	*G5	R769	*G4	R1012	P2	RB190	*J7		
C348	P1	C450	M5	C575	*B2	C758	*D3	C918	*L7	C1065	*P5	FL704	*D6	IC393	J7	IC713	D3	L702	B5	R149	F3	R407	*M2	R517	*A4	R609	*G5	R770	*C6	R1013	P2	RB191	*J7		
C349	*M2	C451	*P5	C576	*B2	C759	D6	C919	*M6	C1066	*R5	FL705	*D6	IC394	L4	IC714	C5	L703	D2	R150	*F1	R408	*N2	R518	*A6	R610	*G5	R771	*C6	R1014	P2	RB192	*H7		
C350	*P2	C452	*P5	C577	*C2	C760	*D6	C920	E7	C1067	R5	FL706	*D6	IC395	K4	IC715	D3	L704	D2	R151	*F2	R409	*N2	R519	*A4	R611	*G5	R772	*D6	R1015	*R3	RB300	*N7		
C351	L2	C453	*N5	C578	*C3	C761	*C3	C921	*E7	C1068	*P4	FL707	*D6	IC397	K4	IC716	D3	L705	D2	R152	*F3	R410	M2	R520	*B4	R612	*F5	R773	*D6	R1016	*R3	RB301	*M7		
C352	N7	C454	*N5	C579	*B3	C762	C3	C922	F6	C1069	*P4	FL719	*C7	IC400	*N2	IC717	C7	L706	D2	R153	*F1	R411	M2	R521	*B4	R614	*B4	R774	*D6	R1017	*P3	RB302	*K7		
C354	*F4	C455	*M5	C580	*B3	C763	C3	C923	*F6	C1070	*P4	FL720	*D7	IC401	N1	IC718	D3	L707	C6	R154	*F2	R412	M2	R522	*A4	R615	*B4	R775	*D5	R1018	*P3	RB303	*K2		
C356	*G5	C456	*M5	C581	*B2	C764	C3	C924	E4	C1071	*P4	FL724	*C7	IC403	N2	IC719	E7	L708	C6	R155	*F3	R413	M2	R523	*A6	R616	*B4	R776	*D5	R1019	*R3	RB304	*J2		
C357	*M7	C457	P5	C582	*B3	C765	C3	C925	*E4	C1072	*P5	FL731	*E7	IC404	N2	IC720	D3	L709	C3	R156	*J3	R414	M2	R524	A4	R617	*B4	R777	*D6	R1020	*R3	RB305	H6		
C358	*L1	C458	N5	C583	*A4	C766	*D3	C926	*G7	C1073	*P5	FL790	*D7	IC405	*M5	IC721	C3	L710	D6	R157	*K5	R415	M2	R525	A4	R618	B4	R778	*D5	R1021	*P3	RB306	G6		
C359	*L1	C459	*P5	C584	*B6	C767	*D3	C927	G7			FL791	*H6	IC406	N4	IC722	C7	L711	C5	R159	*K6	R416	*P4	R526	*A6	R619	B3	R779	*D5	R1022	*R4	RB307	*H7		
C360	*K6	C460	*N5	C585	*B6	C768	*C4	C928	G5	CN113	N7			IC407	N4	IC723	C4	L712	*B4	R181	*H3	R417	*N4	R527	A4	R620	*B4	R780	*D6	R1023	*R4	RB308	J3		
C361	*H7	C461	*N5	C586	*A6	C769	*C3	C929	*G5	CN114	H7	IC100	K6	IC408	M4	IC724	G6	L713	E6	R182	*H3	R418	*M4	R528	B4	R621	*A4	R781	*E5	R1024	*P4	RB309	H6		



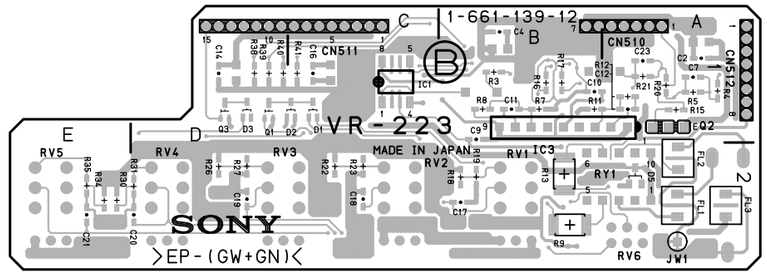
VPR-47 -A SIDE-
SUFFIX: -11



VPR-47 -B SIDE-
SUFFIX: -11



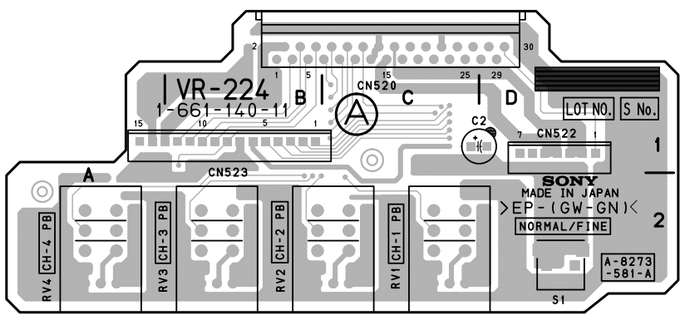
VR-223 -A SIDE-
SUFFIX: -12



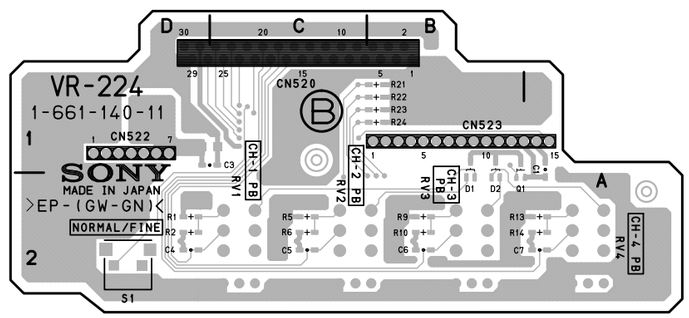
VR-223 -A SIDE-
SUFFIX: -12

VR-223 (1-661-139-12)

C1	A1	Q2	A1
C2	*A1	Q3	*D1
C3	B1		
C4	*B1	R1	C1
C5	C1	R2	C1
C6	B1	R3	*B1
C7	*A1	R4	*A1
C8	A1	R5	*A1
C9	*B1	R6	B2
C10	*B1	R7	*B1
C11	*B1	R8	*B1
C12	*A1	R9	*B2
C13	D1	R10	C1
C14	*D1	R11	*B1
C15	C1	R12	*A1
C16	*C1	R13	*B2
C17	*B2	R14	C1
C18	*C2	R15	*A1
C19	*D2	R16	*B1
C20	*D2	R17	*B1
C21	*E2	R18	*B2
C22	C1	R19	*B2
C23	*A1	R20	*A1
		R21	*A1
CN510	A1	R22	*C2
CN511	C1	R23	*C2
CN512	A1	R26	*D2
		R27	*D2
D1	*C1	R30	*E2
D2	*C1	R31	*D2
D3	*D1	R34	*E2
D5	*A2	R35	*E2
		R38	*D1
FL1	*A2	R39	*D1
FL2	*A2	R40	*D1
FL3	*A2	R41	*C1
IC1	*C1	RV1	B2
IC2	A1	RV2	C2
IC3	A1	RV3	D2
IC4	B1	RV4	D2
		RV5	E2
J1	A2	RV6	A2
JW1	A2	RY1	A2
Q1	*D1	*:B SIDE	



VR-224 -A SIDE-
SUFFIX: -11



VR-224 -B SIDE-
SUFFIX: -11

VR-224 (1-661-140-11)

C1	*A1		
C2	C1		
C3	*C1		
C4	*D2		
C5	*C2		
C6	*B2		
C7	*A2		
CN520	C1		
CN522	D1		
CN523	B1		
D1	*B1		
D2	*B1		
Q1	*B1		
R1	*D2		
R2	*D2		
R5	*C2		
R6	*C2		
R9	*B2		
R10	*B2		
R13	*A2		
R14	*A2		
R21	*B1		
R22	*B1		
R23	*B1		
R24	*B1		
RV1	C2		
RV2	C2		
RV3	B2		
RV4	A2		
S1	D2		

*:B SIDE

DNW-65 (J, SY)
DNW-65P (SY)
DNW-75 (J, SY)
DNW-75P (SY) J, E
9-967-871-01

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